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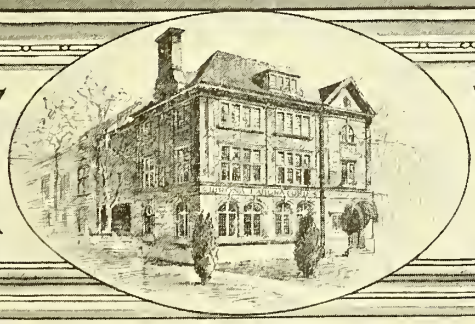

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Cook, E., & Co., Ltd.
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Sanitas Co., Ltd.
Willows, Francis B. & T.
Wright, Layman & Umney, Ltd.

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Metz, Paul
Newbery, F., & Sons, Ltd.
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Quelch, H. C., & Co.
Sangers
Schutze, F., & Co., Ltd.
Solport Bros.
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Gathergood's Exor.
Goodall, Backhouse & Co.
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Farina, J. M. (No. 4)
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Schutze, F., & Co., Ltd.

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Charleston, J.
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Elt's College
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London College of Pharmacy
North of England School
Northern College of Pharmacy
South of England College
Westminster College

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Cupal, Ltd.
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Kerfoot, Thos., & Co.
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Reade Bros. & Co., Ltd.
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Boulton Macro, Ltd.
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Parke, Davis & Co.
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Stevenson, H. E., & Co.
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Stevenson, H. E., & Co.
Tasmanian Eucalyptus Oil

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ter & Clarke, Ltd.

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roughs Wellcome & Co.
ling, Geo., Wyman & Co.
ns Sons Lescher & Webb, Ltd
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rlett, C. J., & Son, Ltd.
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th & Co., Ltd.
d, Shapland & Co.
Bros., Ltd.
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nd & Co., Ltd.
novim Co.
ish Casein Co. (1911), Ltd.
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cher, Fletcher & Co., Ltd.
ker, Stagg & Morgan, Ltd.
lick's Malted Milk Co.
house & Saltmer, Ltd.
ural Food Co., Ltd.
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mon, Ltd.
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der, A., Ltd.
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ck, E.

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tin & Co., Ltd

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kie, Robert
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are's Aureoline
gers
le & Marsh
alon, Ltd.

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ve & Co.

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DYES
kson, T. S., & Sons
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Ichthyol Gesellschaft

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Burgoyne, Burbidges & Co.
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May & Baker, Ltd.

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Solport Bros.
Swales, Thomas

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Kerfoot, Thomas, & Co.
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Raworth, John E.

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Providol Company
Resinol Chemical Co.
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Burrough, J., Ltd.
Calder, James, & Co., Ltd
Preston's Liverpool Distilly Co., Ltd.

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Benton & Stone, Ltd.
Burge, Warren & Ridgley, Ltd.
Christy, Thos., & Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Parke, Davis & Co.
Sangers
Toogood, Wm., Ltd.
Wallach Bros., Ltd.

SPRINKLER CORKS
Betts & Co., Ltd.

SPRUCE BEER
Hobson, Joseph, & Son

STARCH
Mumford, G. S., & Sons

STILLS
Bennett, Sons & Shears, Ltd
Forshaw, E., & Son, Ltd.
Stokes, F. J., Machine Co.

STOPPERS
Lang, Jules, & Son
Stipendum Stopper Co.

SURGICAL APPLIANCES AND DRESSINGS
Allen & Hanburys, Ltd.
Bailey, W. H., & Son, Ltd.
Berliner, Arthur
Burgoyne, Burbidges & Co.
Burroughs Wellcome & Co.
Carnegie Bros.
Dalmas, A. de St., & Co.
Davis, John Morgan, & Son
Galen Manfg. Co., Ltd.
Gimber, W., & Son
Haynes, G., & Co.
Haywood, J. H., Ltd.
Liverpool Lint Co.
Macfarlan, J. F., & Co.
Martindale, W.
Mason Bros. & Chapman
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Quelch, H. C., & Co.
Reynolds & Branson, Ltd.
Robinson & Sons, Ltd.
Seabury & Johnson
Southall Bros. & Barclay, Ltd.
Taylor, W. G.
Van Horn & Sawtell
Vernon & Co., Ltd.
Warne, W., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd

SYPHON FILLER
Flugel & Co.

SYPHONS
Barnett & Foster
Camwal, Ltd.
Idris & Co., Ltd.
Pure Aeration Supply, Ltd.
Sharman's Pat. Syphon Co., Ltd.

SYRUPS, MEDICINAL
Fellows' Med. Mnfg. Co.
Martindale, W.

TABLET MACHINERY
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

BLETS, COMPRESSED
llen & Hanburys, Ltd.
ayer Co., Ltd.
hop, Alfred, Ltd.
yton, Astley & Co.
ritish Drug Houses, Ltd., The
rook, Parker & Co., Ltd.
urgoyne, Burbidges & Co.
artwright, W. B., Ltd.
ox, A. H., & Co., Ltd.
avies, Sons & Co.
anaan, Flockhart & Co.
ans Sons Lescher & Webb, Ltd
nest, Thos., & Co.
opkin & Williams, Ltd.
owards & Sons, Ltd.
ckson, Ernest, & Co.
ohnson & Sons (Mfg. Chts).
oyd, T. H., & Co., Ltd.
artindale, W.
eggeson & Co., Ltd.
arke, Davis & Co.
irley Bros., Ltd.
andard Tablet & Pill Co., Ltd.
ohr, Dr. Franz, Ltd.
hompson & Capper, Ltd.
ner, Jas. V.
and Manfg. Co.
igglesworth & Co.

"ABLOID" PRODUCTS
urroughs Wellcome & Co.

TARIC ACID
oehringer, C. H., Sohn
ritish Drug Houses, Ltd., The

TS
ngram, J. G., & Son

BOX MAKERS
odall, Backhouse & Co.
verpool Tin Canister Co., Ltd.
irley Bros., Ltd.

CTURES IN BOND
acfarlan, J. F., & Co.
ansom, W., & Son, Ltd.

BACCO
angers
ngleton & Cole, Ltd.

TOILET ARTICLES
Allen & Hanburys, Ltd.
Ansora Perfumery Co.
Armour & Co., Ltd.
Ayrton, Saunders & Co., Ltd.
Beetham, M., & Son
Blackie, Robert
Bronnley, H., & Co., Ltd.
Burroughs Wellcome & Co.
Chesebrough Mnfg. Co.
Christy, T., & Co.
Cook, E., & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Daisy, Ltd
Edwards' Harlene Co.
Erasmic Co., Ltd.
Eucryl, Ltd.
Fulford, C. E., Ltd.
Harker, Stagg & Morgan, Ltd.
Hovenden, R., & Sons, Ltd.
Kopp & Joseph
Lloyd, Aimée & Co.
Lloyd, A. S. (Hovenden)
Lorimer-Marshall, Ltd.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Möller, Peter, Ltd.
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Osborne, Garrett & Co.
Papier Poudré, Ltd.
Parks, Davis & Co.
Pasery, Richard
Prichard & Constance, Ltd.
Providol Gesellschaft
Quelch, H. O., & Co.
Roberts & Co.
Sangers
Shirley Bros., Ltd.
Softo Manfg. Co.
Solport Bros.
Southall Bros. & Barclay, Ltd.
Standard Tablet & Pill Co., Ltd.
Stedman, J. H.
Tokalon, Ltd.
Woolley J., Sons & Co., Ltd.

TOILET PAPER
Ayrton, Saunders & Co., Ltd.
Burgoyne, Burbidges & Co.
Diamond Mills Paper Co.
Ford, Shapland & Co.
Townsend, J., & Sons

TRADE-MARKS AGENTS
Barker, R. W.
Ford, Shapland & Co.
Raworth, John R.

TRUSSES
Bailey, W. H. & Son, Ltd.
Davis, John Morgan, & Sons
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Sangers
Schutze, F., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

TUBE-CLOSING MACHINE
Griffin, J. J., & Sons, Ltd.

TUBES, GLASS
Williams, Edmond, & Co.

TURNED WOOD BOXES
Rogers & Co.

VACUUM FLASKS
Millard Bros., Ltd.
Read & Campbell, Ltd.
Thermos, Ltd.

VACUUM PANS
Bennett, Sons & Shears, Ltd.
Stokes, F. J., Machine Co.

VALUERS
Baker, P. C.
Berdoe & Fish
Brett & Co.
Evans, Gadd & Co., Ltd.
Orridge & Co.
Tomlinson, T., & Son

VAPORIZERS
Hall, Forster & Co., Ltd.

VASELINE
Chesebrough Mnfg. Co.

VERMIN-KILLERS
Battle, Son & Maltby
Cupal, Ltd.
Danysz Virus, Ltd.
Evans Sons Lescher & Webb, Ltd
Farmer, F., & Co.
Harley, Thomas
Harrison, G. W.
London Hygienic Chemical Co.
Milner's Chemical Co.
Steiner, E., & Co.

VETERINARY INSTRUMENTS
Mason Bros. & Chapman
Maw, S., Son & Sons

VETERINARY REMEDIES
Chesebrough Mnfg. Co.
Christy, Thos., & Co.
Day & Sons (Crewe), Ltd.
Edwards, W., & Son
Harvey & Co. (Dublin)
Senier, Alf., & Co.
Tomlinson & Hayward, Ltd.
Wyleys, Ltd.
Zimmermann, C., & Co.

VINEGAR
Grimble & Co.

WATER GLASS
Barclay & Sons, Ltd
Tomlinson & Hayward, Ltd.

WATER STILL
Brown & Sons
Stokes, F. J., Machine Co.

WATERS, CONCENTRATED
Robinson, B., & Co., Ltd.

WAXES
Price's Pat. Candle Co., Ltd.

WEED-KILLERS
Harrison, G. W.
Reade Bros. & Co, Ltd.
Tomlinson & Hayward, Ltd

WINDOW FITTINGS
Ayrton-Graham, Ltd.

WINDOW TICKETS
Merten, F., & Co.

WINES
Burrough, J., Ltd.
Smith, Stephen, & Co., Ltd.

WINES, MEDICATED
Burrough, J., Ltd.
Burroughs Wellcome & Co.
Coleman & Co., Ltd.
Fletcher, Fletcher & Co.
Idris & Co., Ltd.
Robinson, B., & Co., Ltd.
Smith, Stephen, & Co., Ltd.

WINES (NON-ALCOHOLIC)
Welch Grape Juice Co., Ltd.

WRIST STRAPS
Solport Bros.

ZINC OXIDE
Hubbuck, T., & Son, Ltd.
Stevenson, H. E., & Co.

ZINC SULPHIDE SCREENS
Buchler & Co.

OLDFIELD, PATTINSON & CO.

TELEGRAMS:
"OPIUM MANCHESTER."

A RELIABLE HOUSE FOR
All Pharmaceutical Preparations.
CONCENTRATED WATERS.
CONCENTRATED INFUSIONS.

B.P. Tincture. **OPIUM** Aqueous Tincture.

Syr. Glycerophosph. Co.
LIQUID EXTRACTS.
LEVIGATED OINTMENTS.
ESSENTIAL OILS

"Silver Churn" Dairy Specialities.

Special Prices to Large Buyers. Write for List.

MANCHESTER.

If your town has a newspaper

——— or if any good newspaper circulates in your district, just write and tell us which one it is and ask for particulars of our scheme in connection with

Lavona Hair Tonic.

We will tell you how you can sell this preparation under exceptionally liberal terms—terms that are bound to bring new customers to your shop, and if you name a suitable paper we will tell you how

We advertise over your name

Lavona Hair Tonic

is made up in two sizes, small and large—the large size shows you a much better profit, holds more than double quantity, and is more economical for your customers. It will be to your advantage to stock both sizes.

SEND A POSTCARD NOW.

TOKALON

LIMITED,

TOKALON HOUSE

212-214 Great Portland Street,

LONDON, W.

S. MAW, SON & SONS
7 TO 12, ALDERSGATE ST.
LONDON, E.C.

Maw's Page.

No. 125. MARCH 7, 1914.

TELEPHONE (4 LINES)
LONDON WALL 3230
TELEGRAMS & CABLES
'ELEVEN, LONDON'
CODE. ABC (4TH & 5TH EDN)

NOTES & NEWS

THE BOATING SEASON.

NOW that the boating season is approaching, our flat Rubber Sponge Pads, introduced last year, will achieve renewed popularity. These Pads act as a cushion, and having a roughened surface they grip the seat securely, giving both ease and comfort in rowing. They measure 11 in. × 7 in. Price 42/- per dozen. We shall be pleased to send one on approval.

OUR DAMP DETECTOR.

DAMP in bedding, clothing etc., can be unfailingly indicated by Maw's Damp Detector, a line we always find in demand during the Spring. The instrument is strongly made, cased in gunmetal, and supplied in neat morocco case for pocket. It is prepared for use in a moment, and quickly gives correct reading. Fig. A25/U. Price 3/9 each.

CORN & BUNION EASERS.

TWO new lines, neatly boxed and complete with showcard, are Maw's Toe and Bunion Easers. They are made of indiarubber, and can be worn with comfort. Bunion Easers (two sizes) 7/6 dozen; Toe Easers 6/6 dozen. They allow good profit, and the sales will be large if displayed prominently.

EAR & NOSE SYRINGES
PRICES REDUCED

EAR SYRINGES.

Fig. 1500.

With *Glass* Mounts.

	¾ oz.	1 oz.	1½ oz.	2 oz.	3 oz.
POLISHED OR VELVET BALLS. per dozen	6/6	8/6	10/6	13/6	16/6
With *Vulcanite* Mounts. per dozen	11/6	13/6	15/6	18/6	21/6
ARABESQUE BALLS. With *Glass* Mounts. per dozen	8/6	10/6	12/6	15/6	18/6
With *Vulcanite* Mounts.	13/6	15/6	17/6	20/6	23/6

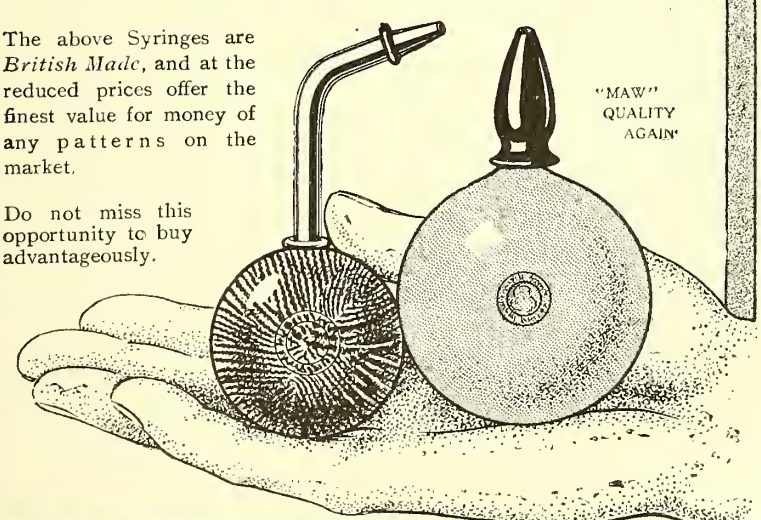
NOSE SYRINGES.

Fig. 1502.

	¾ oz.	1 oz.	1½ oz.	2 oz.	3 oz.
POLISHED OR VELVET BALLS. per dozen	7/-	9/-	11/-	14/-	17/-
ARABESQUE BALLS ,, ,,	9/-	11/-	13/-	16/-	19/-

The above Syringes are *British Made*, and at the reduced prices offer the finest value for money of any patterns on the market.

Do not miss this opportunity to buy advantageously.



"MAW" QUALITY AGAIN"

This Prospectus has been Filed with the Registrar of Joint Stock Companies

THE SUBSCRIPTION LIST WILL CLOSE ON OR BEFORE FRIDAY, TH 6th DAY OF MARCH, 1914.

LEVER BROTHERS LIMITED,

PORT SUNLIGHT, CHESHIRE.

(Incorporated under the Companies Acts 1862 to 1890.)

CAPITAL.

Authorised. £		Issued and Fully Paid. £
2,000,000	in 200,000 5% Cumulative First Preference Shares of £10 each	2,000,000
2,000,000	in 200,000 5% Cumulative "A" Preference Shares of £10 each	2,000,000
1,000,000	in 100,000 6% Cumulative "B" Preference Shares of £10 each	1,000,000
5,000,000	in 5,000,000 6% Cumulative "C" Preference Shares of £1 each	3,250,000
5,000,000	in 5,000,000 15% Cumulative Preferred Ordinary Shares of £1 each	1,423,568
5,000,000	in 5,000,000 20% Cumulative Preferred Ordinary Shares of £1 each	100,000
5,000,000	in 20,000,000 5% Cumulative "A" Preferred Ordinary Shares of 5s. each	59,960
5,000,000	in 500,000 Ordinary Shares of £10 each ...	2,000,000
30,000,000		11,833,528

The respective shares rank for priority as regards both Capital and Dividend in the order set out above.

A member is entitled to one vote for each Share of £10, one vote for each 10 Shares of £1 and one vote for each 40 Shares of 5s.

CO-PARTNERSHIP CERTIFICATES.

After payment of all Preference and Preferred Ordinary dividends and 5 per cent. on the Ordinary Shares in respect of any year further amounts available for distribution are subject to the terms of a Co-Partnership Trust Deed made in 1909 and Supplemental Deeds thereto under which employees of the Company and its Associated Companies participate on Co-Partnership Certificates held. The terms of the Deeds do not affect the rights of the Preference and Preferred Ordinary shareholders.

ISSUE OF

1,000,000 6% Cumulative "C" Preference Shares of £1 each at 21s. per Share payable as follows:—

1s. per Share on application,
5s. per Share on 17th March 1914 (including the premium of 1s. per Share),
5s. per Share on 30th April 1914,
10s. per Share on 28th May, 1914,

or the Shares may be paid in full on 17th March 1914. The first dividend on the "C" Preference Shares now offered for subscription will be payable on 1st July 1914 calculated upon the amounts for the time being paid up on the Shares as from the respective dates of payment, after which date they will be identical with the "C" shares already quoted.

Applications from Shareholders will receive preferential consideration.

DIRECTORS.

SIR WILLIAM HESKETH LEVER, Bt. (*Chairman*).
JOHN LEVER TILLOTSON, J.P.
JOHN GRAY.
JAMES LEVER FERGUSON.
EDMUND VANNUTELLI SALAMAN.
WILLIAM HULME LEVER.
JAMES DARCY LEVER.
CLARENCE CHARLES KNOWLES.
JOHN LOUDON BUCHANAN.

BANKERS.

LONDON COUNTY & WESTMINSTER BANK LTD., 41 Lothbury, London, E.C., and Branches.
MANCHESTER & LIVERPOOL DISTRICT BANKING CO., LTD., Liverpool, Manchester, London and Branches.
BARCLAY & COMPANY, LIMITED, 54 Lombard Street, London, E.C., and Branches.

BROKERS.

R. NIVISON & CO., Bank Buildings, Princes Street, London, E.C.
FOSTER & BRAITHWAITE, 27 Austin Friars, London, E.C.
R. J. TILNEY & CO., 14 Castle Street, Liverpool.
LAWSON & ORMROD, 4 Norfolk Street, Manchester.

SOLICITORS.

SIMPSON, NORTH, HARLEY & CO., 1 Water Street, Liverpool.

AUDITORS.

COOPER BROTHERS & CO., 14 George Street, Mansion House, London, E.C.

SECRETARY AND REGISTERED OFFICE.

JOHN McDOWELL, Port Sunlight, Cheshire.

PROSPECTUS.

The present Company of Lever Brothers Limited was formed in 1894 with a Capital of £1,500,000 (divided into 75,000 5% Cumulative Preference Shares of £10 each and 75,000 Ordinary Shares of £10 each), to acquire the business of Soap and Glycerine Manufacturers carried on at Port Sunlight and elsewhere prior to the 17th May, 1890, by the firm of Lever Brothers and subsequently by Lever Brothers Limited (incorporated in 1890) the Vendors to the present Company. The Company has from time to time by various resolutions duly passed and confirmed increased its Authorised Capital to £30,000,000, of which there has been issued £11,833,528 in the various classes of shares now existing and set out above.

At the time of incorporation in 1894 the present Company became the owner of the Works, Plant and Village at Port Sunlight, comprising in all an area of 86 acres. Extensions and additions to the Works, Plant and Village at Port Sunlight have been continuously made throughout the intervening 20 years until to-day the Works and Village comprise an area of 452 acres. The Buildings within the Works area of 239 acres have a floorage space of 2,456,070 square feet and include Soap and Glycerine Factories, Oil and Cake Mills, Alkali, Printing and other Works, Wharves, Dock, Roads and Sidings together with the Head Offices of the Company. The Buildings within the Village area of 223 acres include 833 Houses and Cottages, 8 Shops, Recreation Halls, Library, Museum, Hospital, with Parks, Gardens and over 5 miles of Roads. The tenure of all is Freehold.

In addition to the Estate at Port Sunlight the Company owns valuable properties in London and Dublin of leasehold tenure, and in Manchester and Newcastle-on-Tyne of freehold tenure, and has acquired interests in other Soap and Glycerine businesses in the United Kingdom.

Abroad, the Company has largely developed its business by the formation of Associated Companies, building and equipping factories for the manufacture of Soap and Glycerine in France, Belgium, Germany, Holland, Switzerland, the United States of America, Japan, Australia, New Zealand, Canada and South Africa and has controlling interests in these Companies and in other similar businesses. In connection with the Supply of Materials used in their manufactures the Company or its Associated Companies own Oil Mills in West Africa, Australia, South Africa and Japan, Cocoa Nut Plantations on Islands in the Pacific and Concessions in West Africa including a convention with the Belgian Colonial Government whereby that Government has granted to the Société Anonyme des Huileries du Congo Belge rights to cultivate and collect Palm Fruit and manufacture Oil in 5 regions of the Belgian Congo where Palm Forests exist. The whole of the shares in the Société Anonyme des Huileries du Congo Belge other than qualification shares of nominal amount have been allotted to trustees on behalf of the Company and its Associated Companies and have been partly paid up.

Thus in the United Kingdom and abroad the Company in addition to its business at Port Sunlight holds interests in over 60 Associated Companies with numerous Branches or Selling Agents throughout the World. The Works and Plant are in efficient working order and repair, and full provision has been made for Depreciation.

The following particulars are relative to the aggregate trading of the Company and its Associated Companies since 1909:—

The Sales of Soap have increased year by year.

The cost of Raw Material (less the value of the by-product Glycerine) has been high without a corresponding increase in the sale price of soap.

During the years of 1909 to 1913 the Advertising expenditure was maintained partly out of profits arising in the ordinary course of trade and partly out of profits realised by the sale of investments and by damages received in actions for libel.

The following figures have been extracted from the Company's Balance Sheets as certified by its Auditors, Messrs. Cooper Brothers & Co.:—

	Paid up Capital.	Interests in Freehold Works and Plant and Patents.	Associated Companies invest-ments.	Reserve Fund.	Depre-ciation Account.	Dividends to Share-holders.	Rate of Ordinary Dividend.
	£	£	£	£	£	£	
1909	5,100,000	2,190,224	2,828,306	376,016	341,234	366,220	12½ per cent.
1910	6,220,458	2,440,126	3,554,157	455,366	392,978	462,805	15 ,,
1911	7,592,500	2,613,556	4,725,797	500,072	447,510	553,522	15 ,,
1912	8,600,000	2,788,554	5,552,140	512,537	514,204	603,479	15 ,,
1913	11,713,424	3,098,082	8,333,685	535,970	584,788	800,473	15 ,,

The Company has guaranteed the due payment of the annual interest amounting to £26,784 on outstanding debentures and debenture stock by certain of the Associated Companies.

The present Issue is made to provide further Capital in connection with the Company's business generally and for the extension of the businesses and undertakings of its Associated Companies including development work on Plantations in the Pacific Islands and general development at various Stations on the West Coast of Africa and in the Belgian Congo.

Arrangements have been made with Messrs. R. Nivison & Co. and Messrs. Foster & Braithwaite to underwrite the whole of the Shares now offered for subscription in consideration of a commission of 6*d.* per share.

In compliance with the requirements of Section 81 of the Companies (Consolidation) Act 1908 the Directors state one million shares as the minimum subscription upon which they will proceed to allotment.

The Company will pay a brokerage of 2*d.* per share upon all shares allotted on applications bearing a Broker's stamp.

It is intended to apply for a special settlement in and official quotation of the shares on the London Stock Exchange and also at Liverpool, Manchester, Birmingham, Bristol, Leeds, Glasgow, Dublin and Belfast.

The following further information is given pursuant to Section 81 of the Companies (Consolidation) Act 1908:—

(*a*) In May 1912, 50,000 5% "A" Preference shares of £10 each were offered at par to the holders of "A" and "B" Preference shares of the Company and allotted as to 26,063 shares on 5th May and 23,937 shares on 11th June 1912.

(*b*) In November 1912, 507,500 6% "C" Preference shares of £1 each were offered at the price of 21*s.* per share for Public subscription and allotted on 14th November 1912.

(*c*) In January 1913, 31,758 5% "A" Preferred Ordinary shares of £1 each were applied for by the Trustees of the Co-Partnership Trust in Lever Brothers Limited and allotted to their nominees as to 28,864 shares on 1st January and 2,894 shares on 9th April 1913.

(*d*) In May 1913, 1,000,000 6% "C" Preference shares of £1 each were offered at the price of 21*s.* per share for Public subscription and allotted on 15th May 1913.

(*e*) In June 1913, 185,000 15% Preferred Ordinary shares of £1 each were applied for and allotted as to 55,000 shares on 23rd June 1913, 125,000 shares on 25th June 1913 and 5,000 shares on 1st July 1913.

(*f*) In June 1913, 100,000 Ordinary shares of £10 each were applied for and allotted on 23rd June 1913.

(*g*) In July 1913, 60,000 15% Preferred Ordinary shares of £1 each were applied for and allotted on 23rd July 1913.

(*h*) In August 1913, 100,000 20% Preferred Ordinary shares of £1 each were applied for and allotted as to 50,000 shares on 16th August 1913 and 50,000 shares on 1st September 1913.

(*i*) In September 1913, 77,500 15% Preferred Ordinary shares of £1 each were applied for and allotted as to 27,500 shares on 10th September 1913 and 50,000 shares on 19th September 1913.

(*j*) In October 1913, 500,000 6% "C" Preference shares of £1 each were offered at the price of 21*s.* per share for Public subscription and allotted on 4th November 1913.

(*k*) In October 1913, 9,166 15% Preferred Ordinary shares of £1 each were applied for and allotted on 29th October 1913.

(*l*) In January 1914, 112,808 5% "A" Preferred Ordinary shares of 5*s.* each were applied for and allotted as to 112,794 shares on 1st January 1914 and 14 shares on 14th February 1914.

(*m*) In January 1914, 91,902 15% Preferred Ordinary shares were applied for and allotted as to 5,000 shares on 7th January 1914 and 86,902 shares on 30th January 1914.

All the above shares have been fully paid and amongst other expenses connected with the issues Underwriting Commissions of 2½ per cent. on the nominal amounts of the issues referred to in (*a*) and (*b*) were paid and 3 per cent. on the nominal amounts of the issues referred to in (*d*) and (*j*).

The dates and names of the parties to the following contracts which have been entered into within the past two years are here set forth as being probably within the purview of Section 81 (k) of the Companies (Consolidation) Act 1908:—

9th May 1912. Lever Brothers Limited of the one part and R. Nivison & Co. and Foster & Braithwaite of the other part. —25th June 1912. Lever Brothers Limited and Sir William Hesketh Lever, Baronet. —12th July 1912. Lever Brothers Limited and P. Ratcliffe & Company Limited. —30th July 1912. The Cavalla River Company Limited of the first part, Alfred Stephen Collard of the second part and Lever Brothers Limited of the third part. —30th July 1912. The Cavalla River Company Limited of the first part, Alfred Stephen Collard of the second part and Lever Brothers Limited of the third part. —23rd October 1912. Lever Brothers Limited and C. H. Parsons & Brother Limited. —31st October 1912. Lever Brothers Limited of the one part and R. Nivison & Co. and Foster & Braithwaite of the other part. —2nd May 1913. Lever Brothers Limited of the one part and R. Nivison & Co. and Foster & Braithwaite of the other part. —20th June 1913. Lever Brothers Limited and Associated Enterprises Limited. —28th June 1913. Lever Brothers Limited and Associated Enterprises Limited. —2nd July 1913. Lever Brothers Limited of the first part, Sir William Hesketh Lever, Baronet, of the second part, John Lever Tillotson of the third part and Sir William Hesketh Lever, Baronet, of the fourth part. —23rd July 1913. Lever Brothers Limited and Associated Enterprises Limited. —2nd October 1913. Lever Brothers Limited and Associated Enterprises Limited. —23rd October 1913. Lever Brothers Limited of the one part and R. Nivison & Co. and Foster & Braithwaite of the other part. —19th December 1913. Alfred Stephen Collard and Lever Brothers Limited. —19th December 1913. Alfred Henry Read and Lever Brothers Limited. 19th December 1913. Gilbert Wheaton Fox and Lever Brothers Limited. —19th December 1913. Henry Mulleneux Grayson and Lever Brothers Limited. —19th December 1913. James Ronald Holme and Lever Brothers Limited. —19th December 1913. Caroline H. Griffiths and Lever Brothers Limited. —19th December 1913. Lever Brothers Limited and Associated Enterprises Limited. —19th December 1913. Lever Brothers Limited and Associated Enterprises Limited. —14th February 1914. Lever Brothers Limited and Associated Enterprises Limited. 23rd October 1913. Lever Brothers Limited of Associated Enterprises Limited. —26th February 1914. Lever Brothers Limited of the one part and R. Nivison & Co. and Foster and Braithwaite of the other part.

In addition to the above the Company has during the same period entered into numerous Contracts in the ordinary course of its business.

A copy of the Memorandum and Articles of Association of the Company, the Balance Sheets 1909 to 1913, and the originals or certified copies of the Contracts referred to may be seen at the Registered Office of the Company by intending applicants for shares between the hours of 11 A.M. and 4 P.M. during the days the Subscription List is open.

Applications for the shares must be made on the prescribed form and forwarded to the Company's Bankers with the deposit of 1*s.* per share. Where the number of shares allotted is less than that applied for the balance of the deposit will be applied towards the payment due on allotment and any excess returned to the applicant. Failure to pay any instalment when due will render the amounts previously paid liable to forfeiture and the allotment to cancellation. Share Certificates will be ready for exchange for Bankers' receipts on 15th June 1914.

Prospectuses and forms of application can be obtained from the Bankers and Brokers and at the Registered Office of the Company.

Dated 2nd March 1914.

THIS FORM OF APPLICATION MAY BE USED.

No.....

LEVER BROTHERS LIMITED.

Issue of 1,000,000 6% Cumulative "C" Preference Shares of £1 each at 21s. per share.

To the Directors of
LEVER BROTHERS LIMITED,

Gentlemen,—

Having paid to the Bankers of the Company £ . : , being a deposit of One Shilling per share on application for shares of the above issue, I/we request you to allot the same to me/us upon the terms of the Prospectus dated 2nd March 1914 and Memorandum and Articles of Association of the Company, and I/we agree to accept the same or any smaller number that may be allotted to me/us and request you to place my/our name(s) on the Register of Members for the shares so allotted.

Name in full .....

Usual Signature .....

Address in full .....

.....

Description .....

(If lady, please state whether Spinster, Wife or Widow.)

Date.....*March* 1914.

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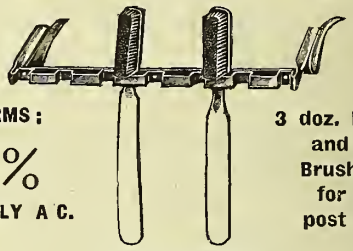

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Dunbar, W. C. . . Bolton.
Edsforth, J. H., Clayton-le-Moors
Ford, E. . . . . Folkestone.
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Hosking, N. W. . Natal.
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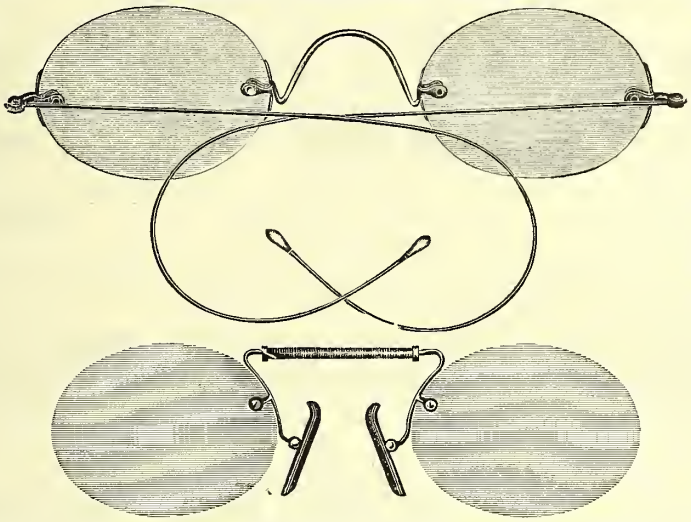

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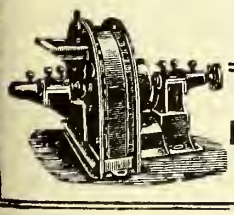

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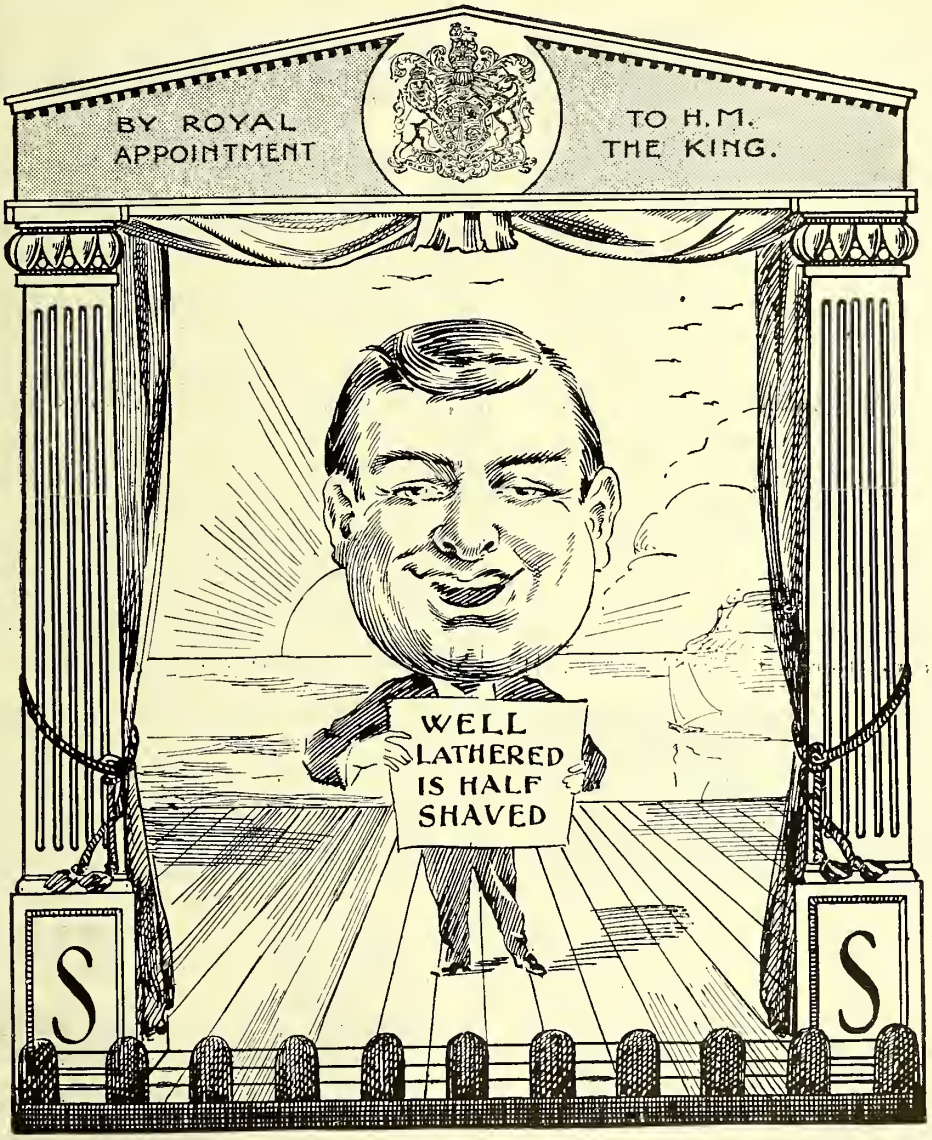

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Winter Issue, 1914, pp. 76, 77.
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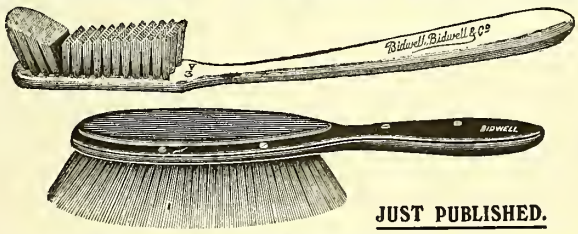

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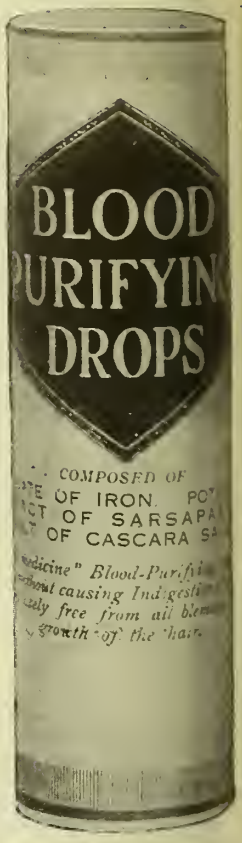

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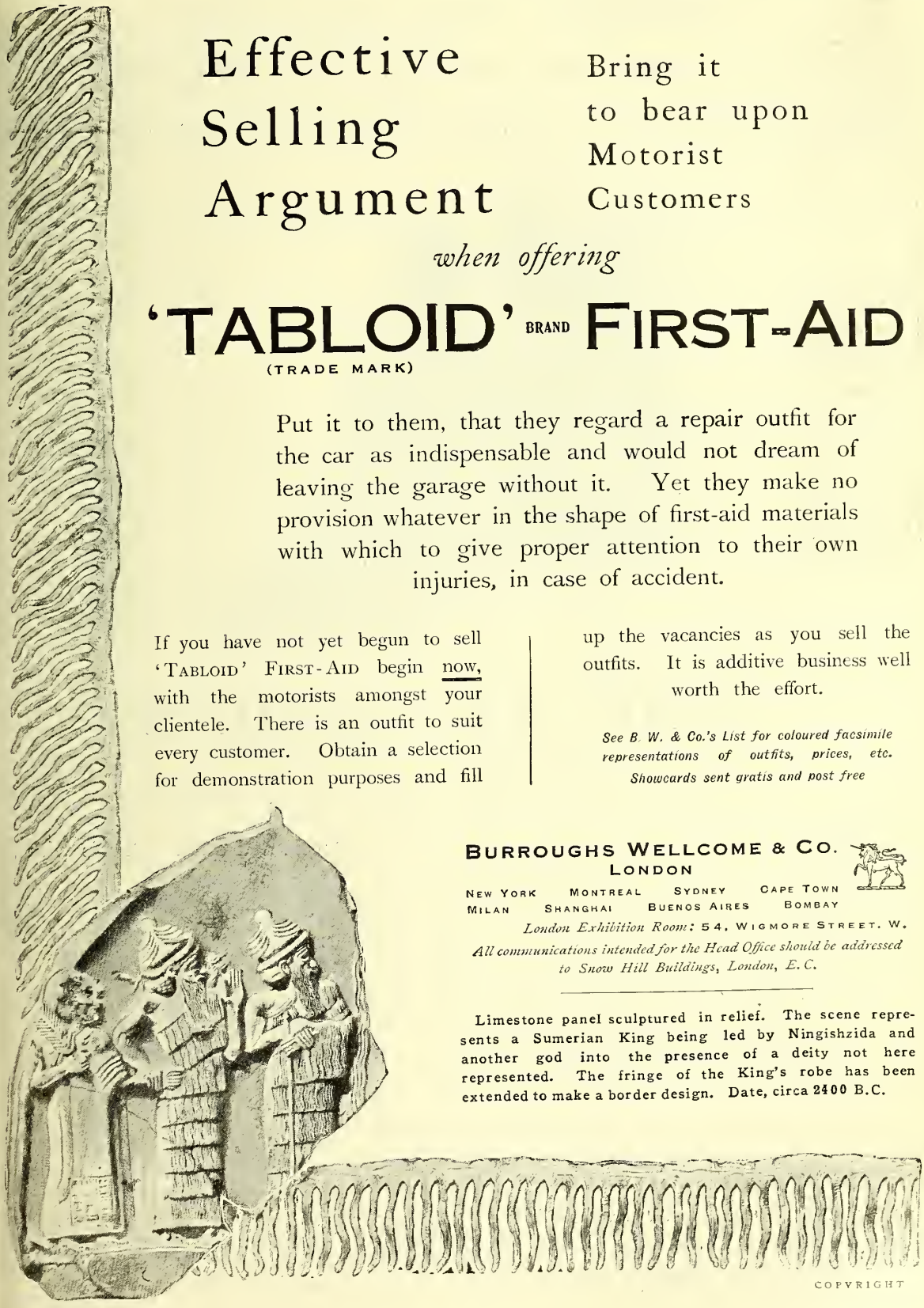

Limestone panel sculptured in relief. The scene represents a Sumerian King being led by Ningishzida and another god into the presence of a deity not here represented. The fringe of the King's robe has been extended to make a border design. Date, circa 2400 B.C.

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TIME GETTING SHORT.

To all who want to hold and increase their export trade it is important to remember that all advertisement copy

For the Export Merchant Shippers' Issue

should be in the Publisher's hands not later than

Tuesday, March 10.

The Publisher informs us that, owing to the extra work entailed in printing, etc., he cannot guarantee the insertion of any advertisement for the white-paper pages received after that date. *Verb. sap. sat.*

Telephone:	Letters:	Telegrams:
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SUMMARY.

Subscribers are advised to read this column first.

Articles and Communications.

Wheat is the subject of our article on Minor Botany this week, the structure of grass-flowers being explained in connection with this plant (p. 34).

Mr. R. Cecil Owen, in a letter on p. 64, claims that Mr. Hugo Wolff's letter sustained his arguments regarding companies. We have in type Mr. Owen's third "Afterthoughts."

"Xrayser II." comments upon the Pharmaceutical Council's attitude to representation on the Executive Committee, also on the Insurance situation in Manchester, the hardships of sub-postmasters, pil. cochiæ, and tincture of iodine (p. 47).

Fifty years ago a prolonged crisis in the retail drug-trade of Great Britain commenced. The letters reprinted on p. 66 mark the beginning of it, and in a note on p. 48, entitled "The Two Societies," we show that the lethargy of the Pharmaceutical Council of the day was in part responsible.

The "Medical Matters" article is about the business which the Executive Committee of the General Medical Council has recently considered, including the negotiations which resulted in the practical exclusion of unqualified medical practitioners from participating in medical treatment of insured persons, and some particulars about the cost of the next edition of the British Pharmacopœia, which is now printing (p. 49).

News of the Week.

An interesting copyright action against a firm of chemists, who copied from the preface of a tobacco-dealer's catalogue, is reported on p. 40.

The new phase in English pharmacy is the starting of chemists' shops to do Insurance dispensing only. A company for this purpose is beng formed (p. 50).

A satisfactory report was submitted at the annual meeting of the Chemists' and Druggists' Society of Ireland, and Mr. W. J. Gibson was elected President (p. 57).

A woman who was employed as a cleaner in a chemist-company's premises has recovered half-wages for injury due to part of a needle going into her hand while she was wringing a washing-cloth (p. 39).

A High Court action arising from correspondence regarding the sale of a Harrogate chemist's business has resulted in the Judge decided that the correspondence did not constitute a contract to purchase (p. 39).

The Joint Pharmaceutical Standing Committee on Insurance was dissolved on Tuesday, and the balance of its funds and obligations handed over to the Executive Committee of the Local Associations Conference (p. 50).

The Pharmaceutical Council completed on Wednesday its scheme of reorganisation for England and Wales, and decided to make the payments to annuitants 20*l.*, 30*l.*, 40*l.*, or 50*l.*, as the Benevolent Fund Committee may consider to be best for the circumstances of the individual (p. 45).

Some exceptionally interesting Insurance reports are given in the section beginning on p. 50. They include statements as to the amount of dispensing done in Bolton, Bradford, Bristol, Devon, Essex (p. 51), Glasgow, Hull, Kirkcaldy, and Merionethshire (p. 52). In Manchester there is much tumult, and Middlesex has agreed to go in with the "Square's" prescription-checking arrangement (p. 52). Particulars as to the amount of dispensing in Sussex and West Riding are given on p. 53.

A Divisional Court of King's Bench began on Thursday the hearing of an appeal from a decision by the Judge of the Kingston-upon-Hull County Court in the case Shreeve *v.* Hardman, Son & Co. The defendants had sent a carboy of vitriol by a common carrier, whose cart broke down, and the carboy was smashed. The plaintiff, a school-girl, was cycling, and when she reached the place on the road where the vitriol lay she had a side-slip and fell into the vitriol, which burnt her severely. She sued the defendants and the carrier for damages, and got them. The appeal was allowed.

Trade and Market Matters.

Opium, American peppermint oil, English tartaric acid, sulphonal, atropine, and Bourbon geranium oil have all more or less advanced. Bergamot oil, citric acid, and refined camphor are firmer. Lemon oil (spot), aloin, chrysarobin, and copper sulphate are the turn cheaper; strychnine and new Norwegian cod-liver oil are lower. Rather larger supplies of drugs than usual were offered at auction (p. 59).

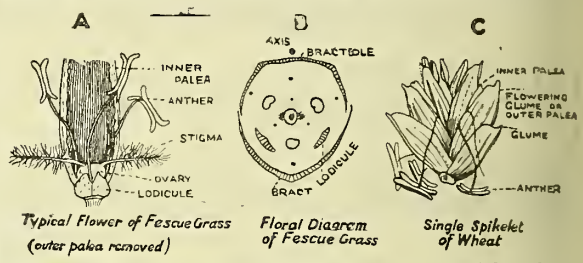
Minor Botany.

Being the ninth of a series of articles for pharmacy students which commenced on January 3, 1914.

THE inflorescences of wheat and barley differ from oats in being compound spikes—*i.e.*, spikes of spikelets. The structure of the spikelet, itself composed of several flowers, is well illustrated by wheat, the numerous cultivated varieties of which are regarded for the most part as forms of the common wheat, *Triticum vulgare*, Villars. When a flower is borne in the axil of a leaf, the latter is called a floral leaf or bract. Bracts may resemble the ordinary foliage leaves, but frequently they are reduced to scale-like leaves or even tooth-like structures. The compound spike of wheat has two rows of spikelets. Each spikelet (fig. A) consists of a short axis bearing a double row of overlapping alternating bracts. The two

TRITICUM VULGARE.

lowest bracts, which are empty owing to non-development of the flower-buds in their axils, are termed glumes. The next three or more bracts above the glumes contain flowers, and are accordingly termed flowering glumes. In wheat the glumes are broadly ovate, with a blunt tip ending in a sharp point (mucronate). The flower-stalk in many Monocotyledons often bears a single little bract (bracteole) opposite the true bract. (In Dicotyledons there are commonly two bracteoles.) In grasses this is represented by a thin scale with inflexed margins, termed palea, opposite the flowering glume. The flowering glume (bract) may be also distinguished as the outer palea and the palea itself as the inner palea (the latter, foreshortened, and the structure of the flower is shown in fig. B). We have already noted that in Monocotyledons the parts of the flowers are usually arranged in threes. The grasses show a departure from this by suppression of parts—a common feature in compressed inflorescences owing to functions which would ordinarily be



Typical Flower of Fescue Grass (outer palea removed) *Floral Diagram of Fescue Grass* *Single Spikelet of Wheat*

fulfilled by the suppressed parts being exercised by other organs. In the grasses the glumes and paleæ adequately protect the essential parts of the flower (stamens and carpels), which normally would be done by the perianth. Accordingly the latter is reduced to two minute scales (lodicules) lying at the base of the ovary. These are retained because they still have useful work to do in exposing the mature stamens through becoming swollen and pressing the flowering glume downwards. The flower proper consists of three stamens with hinged (versatile) anthers on slender stalks (filaments) and a superior ovary with one cavity (monocarpellary) but two brush-like stigmas. The floral diagram (fig. C) indicates the relationships of the parts of the grass-flower to its paleæ, and also, by dots, its missing members. The floral formula is $K0.C2A3+0G^1$. The ovary should be three-chambered, but by abortion two of these chambers have been lost, a fold on the posterior side (nearest the axis—*i.e.*, furthest away from the observer) indicating its monocarpellary condition. Note, however, that only one of the theoretically three stigmas has been lost, that for which there is no room being opposite the bract. It is an advantage to have a stigma projecting from each side of the flower, so that two have been retained. The flowers of bamboos, which belong to this family, have more lax inflorescences and are much less reduced, possessing three lodicules, six stamens, and three stigmas. It is this adaptation to circumstances which moulds parts of even closely allied plants to such diverse degrees. In a grass-flower all the energy is used to produce a single fertile seed, so that only one erect ovule is produced in the ovary. The flowers themselves are admirably adapted for wind-pollination. In any particular flower the stigmas mature first and protrude from each side to catch on their feathery tips pollen blown from the anthers of older flowers. Later the filaments of the stamens elongate and hang over the edge of the glumes, the swinging of anthers aiding the emptying of the pollen grains. This insures cross-pollination. Wind-pollination is a wasteful method, but in grasses the arrangement is so effective that three stamens suffice to provide all the pollen necessary. In the pines hundreds of stamens are produced to one ovary. Cultivated cereals are commonly self-pollinated, so that risk of not being pollinated is almost non-existent. The couch grass (*Triticum repens*) is another member of the same genus as wheat. It is a pestilent weed owing to its creeping rhizome, which when dried is used in medicine.

Society of Chemical Industry.

London Section.

PROFESSOR W. R. HODGKINSON presided over a meeting held on March 2 at Burlington House, Piccadilly, W. Among those present were Dr. Rudolph Messel (President of the Society), Mr. Walter Reid, Mr. Grant Hooper, Mr. T. H. W. Idris, Mr. E. T. Brewis, and Dr. S. Rideal. An announcement was made that the following members of the committee retire by rotation: Messrs. E. Hatschek, H. Hemingway, B. Howard, T. D. Morson, and J. C. Umney. Nominations for candidates must be received by March 23 for election on April 6.

The Chairman again gave an opportunity for discussing a paper read at the January meeting on the *Conductivity of Milk*, but as no one responded to his invitation he called on Mr. A. Baker to read a paper by himself and Mr. J. Jennison on *The Bleaching of Chemical Pulp and Suggestions for a Standard Method in Test Cases.* This dealt with the influence of temperature, concentration, and acidity in the rate of bleaching and with the difficulty of fixing standards of colour for reference. The authors did not favour the use of the Lovibond tintometer, as this instrument was considered too technical for paper-pulp buyers. The method was advocated of having four standard colours matched in dull porcelain. In the discussion which followed Mr. Sindell and Mr. Grant Hooper said that Lovibond's tintometer was unequalled for colour-matching, and Dr. E. K. Rideal dealt with the relative activity of free and combined hypochlorous acid. Mr. Baker, in reply, said that to have definite colours to match is more convincing to commercial men. Mr. Watson Smith then read an abstract of a paper on *Blasting Gelatin*, by Mr. W. A. Hargreaves, Chief Inspector of Explosives for the South Australian Government. It was obvious in the discussion that the problems that face manufacturers of blasting gelatin are not of the simple order which seemed to be implied by the author of the paper. Mr. Grant Hooper then took the chair while Professor W. R. Hodgkinson read a paper on *An Application of Calcium Carbide to the Formation of Alloys.* The author has prepared a large number of alloys by means of a "halide reaction." He used two methods, the first consisting of halides, calcium carbide, and the principal metal, and the second with both metals in the form of halides with calcium carbide. Specimens of alloys and photo-micrographs were handed round. The metals used were cerium, titanium, nickel, manganese, bismuth, tin, cobalt, tantalum, copper, and chromium. In reply to Dr. Messel who said the paper was "a brilliant communication," the author said he is reserving for another paper an account of the properties of these alloys.

Nottingham Section.

At a meeting of this Section at University College, Nottingham, on February 25, Mr. L. Archbutt presiding, Mr. S. R. Trotman read a paper on

The Use of Sulphonated Oils in Bleaching.

He explained that whereas such "assistants" as cresol have no influence, or a hindering influence, on the soda-boil, Turkey-red oil has a most beneficial action. Thus by addition of 2 per cent. Turkey-red oil to the lye the amount of fat removed from the cotton was raised from 3.3 to 4.5 per cent. A similar beneficial result was obtained by adding 2 per cent. Turkey-red oil to sodium-hypochlorite solution. A discussion followed, Mr. Pentecost confirming, from his own experience, the author's conclusions. Mr. Mayfield elicited the fact that Turkey-red oil might advantageously be employed in the scouring of wool, with a view to an unshrinkable finish.

Dr. H. J. S. Sand then gave a demonstration in connection with

Cathode-ray Tubes.

A number of these were exhibited of quartz glass fitted with vacuum-tight lead slabs. Dr. Sand stated that the application of quartz glass to electrical purposes had been retarded in many cases, where its remarkable thermal properties and its transparency to ultra-violet light would have been of great value, by the fact that no thoroughly satisfactory vacuum-tight slabs for leading-in wires into this glass had hitherto been available. He believed that the vacuum-tight lead slabs which he exhibited would meet this want. The author has recently fully described them to the Physical Society of London. They had been fitted to a variety of apparatus, and have so far never been known to fail

"Treatment by Novocaine" is the title of a letter in the "Times" of March 5, which purports to "arouse the interest of the public to the dangers of the local anæsthetic, novocaine."

ENGLISH AND WELSH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

The Fleetwood Urban Council has issued an order for chemists, etc., to close on Wednesdays at 1 P.M.

The Southend-on-Sea Town Council have passed plans for new business premises for Boots, Ltd., at the corner of Warrior Square and Broadway.

An *x*-ray apparatus is to be installed at the Bermondsey Poor-Law Infirmary at a cost of 144*l.* 1*s.*, excluding the necessary fittings connected with the installation.

Mr. J. J. Shawyer, chemist and druggist, of Swindon, was among the passive resisters proceeded against on February 26 for non-payment of the educational portion of the poor-rate. The sum due was paid under protest.

The Guernsey States of Deliberation, on March 4, passed by 27 votes to 11 a resolution for the adoption of Imperial weights and measures as the sole local standard. Up to the present both Imperial and local pound weights have been used.

An outbreak of fire at the premises of Mr. H. Birt, chemist and druggist, 27 Birmingham Street, Oldbury, on February 22, was caused by overheating of an oil-stove. A police officer forced an entrance, and put out the flames before serious damage had been done.

Brother Fred Luxton (of Messrs. James Townsend & Sons), P.M. of St. John the Baptist Lodge, No. 39, has been unanimously elected Preceptor of the "Exeter Lodge of Instruction" for the eighth year in succession. Brother Luxton is also P.P.G.D. (Craft)., P.P.G. Treasurer (Mark), and Provincial Grand Treasurer (H.R. Arch), Devon.

The Camberwell Board of Guardians, having been notified that there is no recent issue of the British Pharmacopœia at their three dispensaries, have decided that a copy of Martindale's "Extra Pharmacopœia" shall be supplied to each dispenser, and copies of Squire's "Companion to the Pharmacopœia" to the dispensers at the Camberwell and Nunhead Dispensaries.

A skilfully planned burglary was carried out on the night of February 27 at the branch of Boots, Ltd., London Road, Southwark, London, S.E. Entrance was gained to the premises by cutting a hole through the roof. A safe under the counter was carried to a room at the back and the bottom was bored out, about 40*l.* being stolen. All finger-prints were carefully obliterated. A number of fountain-pens were also taken.

Councillor F. Bascombe, F.I.C., as a member of the Lambeth Borough Council, has been assisting the Council's Public Health Committee in their deliberations as to whether the facing of rice is prejudicial to health. The committee in their report state that Councillor Bascombe had afforded them some interesting information on the matter and had himself taken three samples of rice in the borough, his analyses confirming those of the public analyst, the mineral matter being below the limit of 0.5 per cent. laid down by the Local Government Board. In the course of the debate on the question Councillor Bascombe said that the addition of talc made rice less soluble in water at various temperatures. The Council decided to ask the Local Government Board to prohibit entirely the addition of any mineral matter to rice.

Royal Society.

The Council of the Royal Society has recommended for election to the Fellowship of the Society the following fifteen men of science from the list of candidates:

Dr. Edgar Johnson Allen, Mr. Richard Assheton, Mr. Geoffrey Thomas Bennett, Professor Rowland Harry Biffen, Dr. Arthur Edwin Boycott, Mr. Clive Cuthbertson, Dr. Henry Hallett Dale, Mr. Arthur Stanley Eddington, Professor Edmund Johnston Garwood, Mr. Thomas Henry Havelock, Dr. Thomas Martin Lowry, Professor Diarmid Noël Paton, Mr. Siegfried Ruhemann, Dr. Samuel Walter Johnson Smith, and Dr. Thomas Edward Stanton.

Dr. H. H. Dale is director of the Wellcome Physiological Research Laboratories, Brockwell Hall, Herne Hill,

London, S.E. His investigations on pressor principles, especially in connection with ergot, are classics.

Dr. T. M. Lowry is lecturer in physical chemistry and electro-chemistry and instructor in crystallography at the City and Guilds College, London.

Mr. S. Ruhemann is lecturer in organic chemistry at the University of Cambridge.

British Pharmaceutical Conference.

As a supplement to the arrangements for the meeting at Chester in the week beginning Monday, July 20, we understand that golf is being arranged for the afternoon of Friday. Visitors who do not care for the game may instead take an excursion to Port Sunlight, and inspect Lever's soap-works there. This excursion, however, must be regarded as an "extra turn," and will be separately charged for, provided it is found that such extra charge is necessary—a matter that will be settled definitely later.

Chemists and Chambers of Commerce.

Mr. H. Rolfe, pharmacist, has been appointed to represent chemists on the committee of a newly formed Chamber of Trade at Northampton.

Mr. H. W. Brassington, chemist and druggist, West Street, has been elected a member of the Committee of the Horsham (Sussex) Chamber of Trade.

Mr. G. W. Evans, pharmacist, Hammersmith, was elected a member of the committee of the Hammersmith and Shepherd's Bush Chamber of Commerce.

Sale of Food and Drugs Acts.

The Salford Town Council proposes to invite applications for the whole-time appointment of a public analyst to the borough, at a salary of 250*l.* per annum, rising by 25*l.* per year to a maximum of 400*l.*

At the last meeting of the Camberwell Borough Council, attention was drawn to the past quarter's drug-analysis, only one of the fifteen samples submitted being certified as adulterated. Mr. J. Shrimpton characterised the report as most satisfactory, especially in view of the extra demands made upon chemists since the passing of the National Insurance Act. Dr. F. Lonnon, F.R.C.S., pointed out that all the drugs purchased from pharmacists were certified as pure, the only adulterated sample (olive oil) having been bought at a general shop.

The report of the Salford analyst for the past quarter states that four out of five prescriptions (containing iodide of potassium) examined were inaccurately dispensed. In one 3 dr. of iodide of potassium was prescribed and 2¼ dr. found; in the second 4 dr. prescribed and 5½ dr. found; in the third 4 dr. prescribed and 1 dr. found. The fourth contained an excess of one-fifth of a drachm of potassium iodide, but was deficient in liquor arsenicalis, as the total content was three-quarters instead of one drachm. The analyst observes "that deficiency in an expensive constituent like iodide of potassium is far better understood than such a serious excess as is shown in the second case, and one can only infer great carelessness on the part of the dispenser."

Birmingham Notes.

Among the three French plays enacted at the Repertory Theatre was Max Maurey's grand Grignol comedy in one act, "Le Pharmacien."

Mr. Arthur Brampton, who was adopted as prospective Liberal candidate for Central Birmingham on February 25, is a cycle-accessories manufacturer, but commenced his career in a pharmacy.

The financial status of the errand-boy has gone up by leaps and bounds. Whereas 4*s.* per week was an average, he cannot be got for less than 7*s.* 6*d.* or even more. If the proposal to raise the age for leaving school is adopted, his services will cost still more.

Mr. Blackbourne, Longmore Street, Birmingham, has given up the sub-post-office, which has been transferred a few doors away, and has decided to go on the panel, as there is so much Insurance dispensing in this neighbourhood. In this district the only chemist postmaster is Mr. Barlow in Balsall Heath Road, Mr. Gibson having given up P.O. work at his Gooch Street pharmacy before his death.

Manchester Notes.

The premises of Messrs. James Woolley, Sons & Co., wholesale chemists, of Victoria Bridge, Manchester, present a spick-and-span appearance after their "spring cleaning" by one of the local firms of renovators.

The past month has been the warmest February experienced in Manchester since 1904. In consequence, business in the drug-trade has been on the quiet side, owing to little general illness. The sale of chest-protectors and hot-water bottles, usually in brisk demand at this time of the year, has been almost nil.

Messrs. C. Midgley & Co., chemists, St. Ann's Square, Manchester, are having a special sale of soap. Owing to their premises having been acquired by the Royal Exchange for extension purposes, the firm is removing to larger premises at 4 Exchange Street, directly opposite Messrs. Mottershead & Co., chemists, 7 Exchange Street.

Mr. J. Cleworth, the Manchester pharmacist-photographer, whose brilliant photographs of the social side of the British Pharmaceutical Conference are familiar to readers of The Chemist and Druggist, will lecture at the Victoria Hotel, Manchester, on March 11, at 3 P.M., on his experience of Conference photography. There are to be about seventy-five lantern-slides shown, and as ladies are invited to the lecture a good attendance may be looked for, especially in view of the fact that among the pictures shown on the screen may be one's own photograph. This is apart from the disclosure of "how it is done," which will interest photographic chemists.

Guernsey Poisons Ordinance.

At the Royal Court of Guernsey on February 25, when the Ordinance (*C. & D.*, November 22, 1913, p. 760) came up for further debate, Advocate H. A. Le Patoured, for the Chemists' Association, asked that restrictions should be inserted in the Ordinance relative to the sale of poisons by unqualified persons, and also that it should be stated on the packets for what purpose these poisons were to be used. In the discussion that followed it was argued that if there were many restrictions it would simply drive local trade away, and the result would be that such goods would be ordered direct. Advocate Le Patourel said he did not oppose the principle of the Ordinance. He simply wished to strengthen the precautionary clauses. After discussion it was decided not to alter the articles.

Sheffield Notes.

Mr. Bernard Ellis, pharmacist and barrister-at-law, lectured recently at the Literary and Philosophical Society's rooms on the value of the microscope in the detection of crime. The lecture was illustrated by a large number of lantern-slides.

A display of Kepler malt and oil at the pharmacy of Messrs. G. T. W. Newsholme, Ltd., 27 High Street, is attracting much attention. The centrepiece is a working model of a windmill surrounded by heads of barley. Below are full-sized figures of codfish in fishing-nets.

Mr. H. Bown, of 154 Cemetery Road, who is having the premises thoroughly renovated, has joined the Insurance panel, which his predecessor, Mr. Geo. Holmes, refused to do. This old-established business was founded by the late Mr. Horncastle, and was afterwards owned by Dr. Robert Bond Greaves, who acted as a "coach" to local pharmaceutical students prior to his commencing the Sheffield School of Pharmacy, which he gave up on his qualifying for medicine.

To Swimmers.

The annual meeting of the Allen Swimming Club was held on February 26. It was unanimously decided to affiliate with the Southern Counties Swimming Association and the Royal Life-saving Society. The Hon. Secretary would be glad to hear from any other club with whom team races might be arranged for the coming season. Address, Hon. Secretary, Swimming Club, Stafford Allen & Sons, Ltd., 7 Cowper Street, London, E.C.

Contracts.

Chard Guardians.—Mr. A. W. Sanders, chemist, Chard, for drugs, etc.

Southampton Town Council.—W. Bates & Co., Ltd., for annual supplies of disinfectants.

The Sculcoates Guardians have decided to confine tenders for drugs, bandages, lint, etc., to tradesmen in business in Hull or the Union's district.

Bethnal Green Borough Council.—The Sanitas Co., Ltd., Newton, Chambers & Co., Ltd., Burt, Boulton & Haywood, Ltd., Middleton Bros., and Forbes, Abbott & Lenard, Ltd., for biennial supplies of disinfectants.

Strood (Kent) Guardians.—The Sanitas Co., for Sanitas fluid, at 9*s.* 6*d.* per doz. pints, and Sanitas Soldis, 5*s.* per doz. pints; Cuxson, Gerrard & Co., Ltd., Oldbury, for surgical dressings and druggists' sundries at specified prices.

Bermondsey Borough Council.—For annual supplies: Hough, Kidston & Co., commercial spirit of salt, 6*d.* per gal.; Scotch soda, 2*s.* 5¼*d.* per cwt. Pryke & Palmer, aqual ammoniac, 3¾*d.* per lb.; soda ash (58 per cent. alkali), in 4-cwt. lots, at 4*l.* 6*s.* 10*d.* per ton.

Camberwell Borough Council.—Alfred Young & Co., for the supply of carbolic powder at 2*l.* 5*s.* 6*d.* per ton; Sanitas Co., Ltd., disinfecting crude fluid, at 3*s.* 6*d.* per gal.; formalin tablets, 2*s.* per lb.; Kingzett's sulphur candles, 1*l.* 5*s.* per cwt.; Pryke & Palmer, Eucryl fluid disinfectant, 4*s.* 7*d.* per gal.; Livett Frank & Son, Ltd., permanganate of potash, 1*l.* 18*s.* 3*d.* per cwt.

Wine-licences.

At the adjourned licensing sessions at Penryn (Cornwall) on February 26, an application by Messrs. Wilmer & Hocking, chemists, Market Street, Penryn, for a medicated-wine licence was refused.

At the adjourned Licensing Sessions at Preston on March 2, the application of Mr. M. R. Davies, chemist and druggist, 47 London Road, for an off-licence enabling him to sell medicated wines was refused.

The Bristol Licensing Magistrates on Monday refused to grant Mr. Edmund Carpenter, managing director of Henry Hodder & Co., Ltd., Bristol, an off wine-licence for premises at 239 Church Road, Redfield, Bristol. Attention was directed to the numerous cases, reported in The Chemist and Druggist, of licences being refused in other towns.

At the adjourned licensing sessions held at Eastbourne on March 2, application was made for the renewal of four chemists' licences held by Messrs. J. Routley, A. Moss, J. Forbes, and A. Proctor. The Chairman (Mr. A. Mayhewe) stated that there were conditions attached to the licences restricting the sale of wines to medicated wines. Visits had been paid to the shops in question, and at three of them no other wines were found, and their licences would therefore be renewed. With regard to Mr. Routley his undertaking included the words "or invalid wines." This had been construed by Mr. Routley to mean that he could sell wines which were not medicated, but this was not the intention of the Justices. Therefore, the holder would be required to give the same undertaking as the other chemists to the effect that he would only sell medicated wines, which did not include port, burgundy, champagne, etc. The Chairman, in answer to a question, said that he did not think that the medical profession recognised invalid port as distinguished from ordinary port, and if they allowed chemists to sell it it would open the door to them to sell other such wines. Therefore, the chemists would have to be restricted to the sale of medicated wines only.

From Various Courts.

At Dover on February 27, two soldiers, named Joseph Williams and Albert Coonhan, were committed for trial on a charge of committing wilful damage to the extent of 13*l.* 13*s.* to the premises of Mr. A. H. Cartwright, chemist and druggist, of Snargate Street, Dover.

At West Ham Coroner's Court on March 2, a verdict of "Manslaughter" was returned against Archibald Christopher Triggs (30), described as a chemist's assistant. At the inquest on Alice Amelia Hansen (21), the wife of an hotel porter, whose dead body was found in an empty shop at 127 Pelly Road, Plaistow, E. (*C. & D.*, February 28, p. 59), Triggs was committed for trial at the Central Criminal Court on a coroner's warrant. Police Court proceedings took place at West Ham on March 4, with the same result. Prisoner has all along protested his innocence.

At Chelmsford on February 20, William Warder, errand-boy, was fined 20*s.* and placed under probation for a year for stealing some pastilles, a camera, and 5*s.* 5*d.* in money belonging to his employer, Mr. J. T. Bellamy, chemist and druggist, Tindal Square, Chelmsford. Reginald Brice, who had sold the camera (which had been handed to him by accused) to a wardrobe-dealer for 1*s.* 6*d.*, was sent to a reformatory for four years. Another boy connected with the affair was discharged with a warning, while the purchaser of the camera was admonished and her expenses were disallowed.

At the South-West London Police Court on February 26, four pharmaceutical students—Harold Leslie Champion, Percy James Brown, and George Allan Caley, all living in Edgeley Road, Clapham; Frank Spence Coates, of Mayflower Road, Clapham; and two girls, Catherine Marnes Schmidt and Dorothy Octavia Schmidt, residing at Gauden Road, Clapham, were charged with insulting conduct at Clapham Common. According to the police evidence the prisoners on February 25 were taking part in a mock suffragette meeting, several climbing on to the railings, speaking and shouting to a crowd numbering several hundred persons. Accused, who appeared to regard their situation with amusement, were bound over.

IRISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Mr. W. B. Harrington has been re-elected a director of T. Lyons & Co., Ltd., Cork.

Mr. D. J. Stapleton, Ph.C., has opened a medical hall at 23 High Street, Kilkenny.

Sir Stanley Harrington has been re-elected Chairman of the directors of the Cork and Passage Railway Co.

Messrs. Boileau & Boyd, Dublin, have secured the contract for the supply of drugs to the Londonderry Asylum.

The Londonderry Chamber of Commerce has passed a resolution protesting against the Sale of Food and Drugs Bill, 1913.

The Royal Dublin Society is endeavouring to establish a Radium Institute. Viscount Iveagh has contributed 1,000*l.* to the fund which has been opened for the purpose.

Mr. Bernard G. Fagan, B.A., B.Sc., has been appointed chief chemical assistant to the Dublin Corporation at a salary of 150*l.* Mr. Fagan has been in the laboratory for the last three years as assistant to Mr. Macallan, the late chief chemical assistant.

In the King's Bench, Dublin, on February 27, Messrs. Hugh Moore & Alexanders, Ltd., Dublin, sued Mr. James Hewitt, a former employé, to recover 75*l.* in respect of a guarantee given by him on behalf of the former managing director of the company. Judgment was given for the defendant, with costs.

Guardians and Drug-supplies.

At the meeting of the Monaghan Board of Guardians, Mr. Latimer raised the question of local tenders for drugs, etc. Mr. Longhead said there is no reason why local chemists should not get the contracts, provided their terms are favourable.

Messrs. Boileau & Boyd have written to the Waterford Board of Guardians in reply to the complaints made by the medical officers as regards the shortage of certain items and the want of attention to complaints made by them. They state that the items not supplied on a former occasion have now been sent on. Owing to the prolonged labour troubles in Dublin it was almost impossible to obtain supplies, and the stock of certain articles ran out. Since the strike terminated, Messrs. Boileau & Boyd add, they have been able to get in supplies, and no further trouble is anticipated.

SCOTTISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Claims against Miss Margaret Macfarlane, chemist and druggist, 4 Polepark Road, Dundee, are to be lodged with Mr. Malcolm W. Nicoll, C.A., 31 Albert Square, Dundee.

Mr. William Watt, chemist and druggist, 4 High Street, Turriff, has sold his business to Mr. George Morrison Cruickshank, late manager of the pharmacy of the late Mr. John Fewtrell, 19 Main Street, Turriff.

Mr. William Smart, chemist and druggist, Buckhaven, and six other members of the Buckhaven Town Council allege that the election of bailies last November was invalid, and have taken action against the Council in Kirkcaldy Sheriff Court, where Sheriff Armour Hannay has taken the matter to avizandum.

At the annual meeting of the Carnegie Hero Fund Trust, held at Dunfermline on Thursday, February 26, the parents of Ian Menzies (15), chemist's messageboy, Oban, were voted to receive a memorial medallion and the sum of 20*l*. Ian Menzies lost his life in an attempt to rescue another youth from drowning on January 16.

James Dalgarno (16), apprentice with Messrs. W. Paterson & Sons, wholesale druggists, Aberdeen, was last week carrying a drum of calcium bisulphite to a shed, when the screw of the drum dropped inside. He lighted a match to help in locating the screw with the result that it ignited a gas that had generated in the drum (so it is reported), and he was burned on the head and wrist.

Mr. William F. Garrie, pharmacist, has been appointed to the representative staff of Messrs. Allen & Hanburys, Ltd., to call upon medical men in Scotland. Mr. Garrie is a native of Monifieth, Forfarshire, and served his apprenticeship with Mr. Alex. S. Troup, pharmacist, there. Since then he has been with Mr. A. K. Stewart, Edinburgh; Mr. John Simon, Chester; and Messrs. Amoore & Co., Sloane Street, London.

Edinburgh.

At Chancelot Park, on Wednesday, February 25, Edinburgh and Leith Postmen's Football Club defeated Pharmacy United by eight goals to one.

Professor Sir Thomas Oliver communicated a paper on "The Electrolytic Treatment of Lead-poisoning" to the Royal Society of Edinburgh on Monday.

Dr. R. Stewart, 25 George Square, who celebrated his silver wedding last week, is the owner and occupant of the house where once Sir Walter Scott lived.

Scarlet fever, measles, etc., are very prevalent all over Scotland, according to newspaper accounts. One or two cases of smallpox have occurred at Aberdeen.

Mr. J. L. Ewing presided over a general meeting of the Edinburgh Chamber of Commerce on Friday, February 27, at which the necessity for new local industries was discussed. Mr. Ewing is one of three delegates appointed for the annual meeting of the Association of Chambers of Commerce of the United Kingdom, which takes place in London on March 10, 11, and 12.

Glasgow and the West.

The report of the Scottish Co-operative Wholesale Society, Ltd., for the half-year which ended on December 27, 1913, shows sales 4,628,455*l*. for the six months and 8,964,033*l*. for the year, an increase of 572,775*l*. over last year.

Mr. F. W. Harris, F.I.C., F.C.S., public analyst for Glasgow, deposed at the trial last week of a man for drugging and theft that the liquid used by the man to put in beer which his victims were drinking was a strong solution of chloral hydrate, and it made a person insensible in five or six minutes. The accused was sentenced to ten years' penal servitude.

Mr. W. L. Currie, Hon. Secretary of the Kinninmont Prize Trust, 223 Byres Road, Dowanhill, Glasgow, is prepared to receive applications from candidates for the examinations. Names must be submitted not later than April 30. Mr. Currie will send the syllabus on application. It is intended, if the response warrants it, to give an additional prize.

Mr. Robert Brodie, chemist and druggist, has disposed of his business at 253 Crown Street, Glasgow, and is now living in retirement. Mr. Brodie is one of the most respected pharmacists in the city of St. Mungo, and has taken an active part in all Association work in it, as junior and senior, for sixty years, and still retains in mind and spirit that youthful ardour which made his accomplishments possible and brought him into B.P.C. circles at a time when most men slack off in such matters. May his retirement mean the prolongation of a singularly happy life.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

Pharmacie Centrale de France.—At the general shareholders' meeting of the Pharmacie Centrale de France, held recently, a dividend of 5 per cent. was announced for the commercial year 1912-13, and a sum of over 7,000*l*. was passed to the extraordinary reserve.

Paris Society of Pharmacy.—The paper which M. H. Hérissey communicated to the Society at its last meeting was on the biochemical synthesis of *d*-galactosides α, the one dealt with being methylgalactoside α. The mixture from which this substance was isolated consisted of pure galactose, aqueous toluene maceration of yeast, commercial methyl alcohol, and distilled water, first heated in a water-bath to destroy the galactosidase α and kept for four months at ordinary temperature.

Anglo-American Remedies in France.—Paris pharmacists appear to have reduced their stocks, and in many cases, temporarily at least, given up the sale of numerous Anglo-American remedies, not made in France, which have found a ready sale in recent years here, and the trade in which has found a liberal toleration, although perhaps against the strict letter of the law in some instances. But, as already mentioned in the *C. & D.*, the pharmacy inspectors have been busy and zealous, consequently many British and American residents find themselves for the time being without their customary and favourite remedies. This is an unsatisfactory state of things which needs prompt adjustment.

Poisonous Substances.—At the last meeting of the Paris Academy of Medicine, M. Lucet, Reporter of the Special Commission, read the text of the proposed new regulations for the sale of poisonous substances in France. The text was adopted with the exception of the items concerning the sale of arsenical substances used in agriculture, which will be discussed at a later meeting. This project asks for legislative measures which will enable the prosecution of persons writing false medical prescriptions with the object of obtaining poisonous medicaments. A proposal by Dr. Hayem was also voted to the effect that makers of pharmaceutical specialities (patent medicines) should be obliged to publish the indication of their exact and complete formulæ. The reason assigned is that doctors frequently prescribe and pharmacists deliver secret remedies, often without a medical prescription, and without knowing their composition. Consequently the Academy consider that their sale may at times constitute an abuse and a real danger, and a control is recommended on behalf of the public health. This proposal has met with immediate opposition from French manufacturers of patent medicines. In connection with the proposal it is announced that the Minister of the Interior is about to appoint an independent Commission, of which the Director of the Paris School of Pharmacy will be a member, to formulate a definite text of new regulations concerning the sales of poisonous substances. On the other hand, M. Charles Buchet, Director of the Pharmacie Centrale de France, whose authority is undisputed, has addressed two notes to the Academy of Medicine drawing attention to the serious inconvenience of certain suggestions of that body to the wholesale trade, especially as regards proposed special registers for the purchase and sale of poisons.

SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of the seven Chemists' Societies in British South Africa.

The Union.

Drug and Chemical Imports.—The Trade Returns for he Union, just issued, complete the twelve months ended)ecember 1913, and show imports of drugs, chemicals, nd apothecaries' wares amounting to 948,543*l.*, as com- ared with 964,591*l.* in 1912. The largest item was 95,639*l.* for sodium cyanide, as against 365,171*l.* in 1913. Apothecaries' wares valued at 152,961*l.*, against 153,044*l.*, re second on the list; and medicinal preparations, 26,955*l.*, which is better than the previous year's im- orts, are third. Apart from the above, "glycerin for nanufacturers" was imported to the value of 563,014*l.*, or 5,271*l.* more, this representing a weight of 16,662,384 lb., s compared with 15,271,871 lb. in 1912.

Pharmaceutical Society of the O.F.S.

The Annual General Meeting was held at Bloemfontein on February 12. The President, Mr. A. McMurray (looking vell after his holiday at the Cape), was in the chair, and here was a good attendance. Arising out of the minutes vas the reply from the Pretoria Commissioner of Customs o the Society's letter asking for better facilities in Bloem- ontein for dealing with Excise matters. The reply is as ollows:

"On the matter of medicinal preparations being passed by the Government analyst at Bloemfontein, at the present time it has been deemed best to have only two analysts at the principal points. Should it be found desirable later on to give power to the local officers at Bloemfontein and Durban, you may rest assured that no objection will be raised so long as the revenue is fully secured and no extra expenditure to the Government is involved. A careful record of amount of work being done is kept, so that the matter shall be fairly dealt with later."

A letter was read from Mr. F. Jennings (Lydenburg) urging he Society to take action to have the interests of the chemists' afeguarded when the new Excise Bill comes before the House. The Secretary was instructed to thank Mr. Jennings or his letter, but as no information was obtainable about he draft Bill nothing could be done.

The annual report having been read and Messrs. Taylor nd Carter appointed auditors, the election of the new fficers was proceeded with, the result being as follows: *President*, Mr. J. Rawling; *Vice-President*, Mr. F. Carter; *Secretary*, Mr. J. Reid (re-elected); *Treasurer*, Mr. J. Mure re-elected); *Council*, Messrs. Hewitt, Taylor, Doel, and McMurray.

The retiring President then addressed the meeting, and hanked those present for their support during his term f office. Mr. J Rawling afterwards took the chair, and losed the meeting; but before breaking up an address on he P.A.T.A. was given by Mr. Blake-Jardine, the Secre- ary, who is on an organisation tour throughout the Union. Mr. Blake-Jardine was listened to with great attention, and ut the aims and objects of the P.A.T.A. before the meeting vith much success. After some severe criticism, Mr. Jardine ad the satisfaction of getting a local committee. The local rapery and other stores who deal in proprietaries are sym- athetic to the movement, and intend to join. Mr. Jardine ext proceeds to Kimberley.

Sale of Cocaine in Egypt.—A Greek-owned pharmacy n Alexandria was closed summarily in the week ended February 14 by the municipal authorities, assisted by the Cavass of the Greek Consulate, the charge being that of aving sold in the period of a month 6 oz. of cocaine, s there was not even the covering pretence of having dis- osed of this quantity in the ordinary course of dispensing, ut in sales *per se* in packets of 1 gram and upward. It vill be interesting, writes a correspondent, to see he verdict pronounced by the Court. The open- ng of new pharmacies in Egypt is of weekly ccurrence, and a big percentage of these are under con- itions of a similar nature to the one closed. The law dmitting of such an undesirable state of affairs came into orce about eight years ago, and it enables anyone with he necessary capital to own a pharmacy, carrying it on nder his proper name with the services of a qualified han of any nationality as a cover.

LEGAL REPORTS.

TRADE LAW.

Adulterated Saffron.—At Old Street Police Court, London, on February 26, under Section 6 of the Sale of Food and Drugs Act, 1875, Mary Morris, Buxton Street, Whitechapel, was fined 20*s.*, and 26*s.* costs, for selling saffron which the public analyst certified to contain 35 per cent. of borax and nitre. She pleaded that she sold the saffron as she had bought it.

Paregoric Substitute.—Under Section 6 of the Sale of Food and Drugs Act, 1875, Charles Jenkinson (Hemingborough) and his assistant, Nellie Wilson, were charged at Howden on February 28 with selling paregoric deficient in opium. Jenkinson was fined 1*s.*, and 4*s.* costs, and the summons against Wilson was dismissed. The evidence was to the effect that the substance sold was paregoric substitute.

A Company-chemist.—In the City of London Court on February 27, before Judge Atherley-Jones, K.C., Mr. R. A. Clark, Ludgate Hill, sought to enforce payment of 5*l.* 1*s.* 3*d.* due from Mr. Harold Peberken, chemist, 309 Garrett Lane, Wandsworth. Plaintiff said that the defendant had a very good business, and he had recently turned it into a company. Now he called himself the manager. The judgment was obtained on November 20. Defendant rode in taxicabs and that sort of thing. He spent money freely in the City. He could well pay the amount. Judge Atherley-Jones, K.C., made an order for the payment of 1*l.* a month, with committal in default.

Salicylic Acid in British Wines.—At the Luton Borough Sessions on February 28, Charles V. Claridge was, under Section 6 of the Sale of Food and Drugs Act, 1875, fined 1*l.*, and costs, for selling a bottle of orange-wine which contained salicylic acid in the proportion of 4.2 grains per pint. The witnesses for the defence included Mr. Wm. Hearnden, managing foreman for Messrs. R. White & Co., Ltd., London, Dr. F. L. Teed, and Dr. Frank Oldfield. The Magistrates, however, announced that they regarded salicylic acid as a foreign ingredient in the wine, and that it is not required in the production and preparation of non-alcoholic wine.—In a similar offence regarding raisin-wine, a nominal fine of 1*s.*, and costs, was imposed, and a third summons concerning ginger-wine was withdrawn.

"Minor" Expenses.—In the Bow County Court on February 27, before Judge Smyly, K.C., an action came on for hearing in which Mr. Geo. Robinson, chemist, 281 Forest Road, Walthamstow, sued Mr. Tom Lacey Hewitt, Lathom Road, East Ham, chemist and dispenser, to recover 74*l.* 15*s.*, the balance of a debt of 117*l.* Mr. R. C. Bolton appeared on behalf of the plaintiff. The defendant did not appear, but Judge Smyly said he had written to the Court admitting the debt, and offering to pay the amount by instalments, if such could be arranged. His Honour said he was powerless in the matter as to instalments, as he could do nothing unless it was by the consent of the parties. After an explanation by Mr. Bolton as to how the debt was incurred to enable defendant to pass the Minor examination, his Honour agreed to Mr. Bolton's suggestion that defendant should pay 4*l.* a month.

A Shop-cleaner's Accident.—At the Clerkenwell County Court on February 27, Annie Taylor, a widow, applied under the Workmen's Compensation Act for an award in respect to injuries received in the course of her employment with Tomlinson's Drug Stores, Ltd., druggists, 192 High Street, Homerton, as cleaner of the dispensing-room, waiting-room, and store-room. It appeared that while at work on October 30 she was wringing a house-flannel, when she felt something sharp against the third and fourth fingers of her right hand. This turned out to be a piece of needle, and as a result of the injury she was unable to resume work until December 23. After evidence on both sides, the Judge decided in favour of the applicant, whose total earnings were stated at 15*s.* a week, but he could only give compensation in respect of the applicant's earnings for cleaning the respondents' premises, and awarded 1*s.* 9*d.* per week, being half-wages of 3*s.* 6*d.* per week, the payments to run from the date of the accident down to January 31, with costs.

A Harrogate Chemist's Business.—In the Chancery Division of the English High Court on Wednesday, March 4, Mr. Justice Warrington heard an action for specific performance of an alleged agreement to purchase for 900*l.* a pharmaceutical chemist's business formerly carried on by Charles Edward Jenkins Eynon at 13 James Street, Harrogate. The plaintiffs were Robert Peveler, of Princes Street, Harrogate, and George Montagu White, and the defendant was George Edward Marshall, Stanley House, Chapel-en-le-Frith, Derby. Mr. Petersen, K.C., for the plaintiffs, said the question to be determined was whether there was an

agreement contained in correspondence between the plaintiff Mr. Peveler and the defendant, which commenced on April 21, 1913, and ended with a telegram from defendant to Peveler on June 7, 1913. Mr. Petersen said the defendant held there was no contract, saying that the plaintiffs had not got a good title to the premises because there was an existing breach of covenant in the lease. Evidence was given by Mr. K. McLean, chemist, Harrogate, and others for the plaintiffs, after which the defendant gave evidence, explaining in cross-examination that one of the reasons why he didn't want to carry out the bargain was that his brother would not find the money. His Lordship, in dismissing the action, said there was, in his opinion, no binding contract. The parties were never at one as to what the purchaser was to get. Plaintiffs also had not established that the purchaser had notice that there was a breach of covenant, or that it was brought to the notice of defendant that the defects in the premises constituted a breach of covenant. The action therefore must be dismissed, with costs, except for the costs occasioned by an allegation of the defendant up to the time the plaintiffs had notice it was not to be relied on.

A Trade Circular Copyright.—At the Redhill County Court, before Judge Mackarness, on March 2, W. H. Fowler & Co., chemists, Redhill, were sued by Martin, Ltd., cigar-merchants, 25 Cheapside, London, E.C., for 50*l.* damages for infringement of copyright owned by plaintiffs in a catalogue registered by them, and for an injunction to restrain defendants from further infringement. Mr. Kiffin, for the plaintiffs, stated that his clients issued a catalogue called "It's Right," which advertised cigars and cigarettes. They laid great stress upon the prefatory matter of the catalogue. Defendants issued a catalogue in order to sell their perfumes, and had copied out many of the sentences of the prefatory matter in the plaintiffs' catalogue without their consent. The matter used by the defendants was a substantial part of the plaintiffs' catalogue, and they had rendered themselves liable under the Copyright Act. After reading the correspondence which had taken place between the parties, his Honour asked if it was worth while to call all the evidence when the plaintiffs had a letter of regret in which one side proposed and the other side accepted practically what was wanted. The defendants had no idea they were infringing a copyright, and if they had done so they had humbly apologised. In spite of this intervention the case proceeded, and after evidence, Mr. Robinson, for the defendants, admitted that they took words out of the plaintiffs' circular; but had there been any infringement of copyright? It was not every chemist, he added, who is alive to the subtleties of the Copyright Act, and as soon as the defendants' attention was drawn to the matter they made amends and apologised to the plaintiffs. He argued that no injunction could be granted, as there was no evidence of damage. After Mr. Kiffin had replied, his Honour, in a lengthy judgment, said that certain words, which he read, were reproduced *verbatim et literatim* from the plaintiffs' circular into the defendants'. He came to the conclusion that there had been an infringement, but he was equally clear that there was no damage, and no evidence as to assessing damage. As to the injunction, the principles upon which an injunction ought to be granted were to restrain the commission of a wrongful act or the continuance of it. In this case he was satisfied from the correspondence that there was not the slightest danger of any continuance of such a nature as the plaintiffs might possibly have suffered from the defendants taking over the language in the plaintiffs' circular. He had no doubt it was done without any intention to commit a legal wrong, and it was perfectly clear that as soon as it was brought to the attention of the defendants they did all they could, not only to make every kind of apology, but they undertook, and they were willing now to give every kind of undertaking, that no continuance of the use of this circular should be allowed to go on, and they would return all the circulars they had in their possession relating to this particular matter. In these circumstances, there did not seem any case for an injunction, and therefore there would be judgment for the plaintiffs to the extent that there had been an infringement of the copyright, but the injunction was refused. Plaintiffs would be allowed the costs of the day, but only on Scale "A."

High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

Tumulty v. O'Hagan and O'Hare.

In the King's Bench Division, Dublin, before Mr. Justice Gibson and Mr. Justice Dodd, application was made on February 27 on behalf of the defendants in this action to change the venue from Dublin to the county of Down, on the ground that the action could be more conveniently and cheaply tried there. The action, as reported in the *C. & D.*, February 21, p. 41, is for damages in respect to the death of plaintiff's daughter, alleged to be due to the negligence of Charles O'Hagan, Ph.C., and Charles S. O'Hare, Ph.C., Hill Street, Newry, or their servants, in sending her wrong medicine. The defendants deny that there was any negligence.

Mr. Justice Gibson: What kind of medicine was it that caused this mischief?

Mr. Williamson, K.C. (for the defendants), said that was what they purposed trying to find out. The prescriptions were in the hands of the Royal Irish Constabulary, and he would hand them up to the Court if anyone could read them. The action was obviously one that should be tried in Down, where the cause of action arose, and where the witnesses resided.

Mr. Wilson, K.C., on behalf of the plaintiff, opposed the motion. It would be most unfair if they were not enabled to get a trial in April, and in Dublin, where the trial would be cheaper and more expeditious. The plaintiff wanted an order for discovery of documents.

Mr. Williamson said there were only two documents to be discovered—the two prescriptions; and they were prepared to make an affidavit forthwith disclosing them. The Coroner's jury had found that the girl had died from natural causes.

Mr. Justice Gibson said there was no ground for resisting the application. The venue would be changed to Downpatrick, the defendants to make discovery of documents before the following Monday.

Sale of Food and Drugs Acts.

White-pepper Case.

The case again came before the Liverpool Stipendiary Magistrate (Mr. Stuart Deacon) on March 4, in which Albert Sanders Morrish, wholesale drysalter, Duke Street, Liverpool, was summoned "for selling as white pepper a commodity containing 15 per cent. of the husks of black pepper." (See *C. & D.*, February 28, p. 62.)

Mr. Duder (prosecuting) argued that the object of an analyst's certificate [which was the reason for the adjournment] was to bring it before the Court and the defendants in order that they might have proper information as to the offence committed. The certificate in this case stated that the sample contained a foreign ingredient—not less than 15 per cent. of black-pepper husks—which, he submitted was a clear indication of the offence the defendant was summoned for. There was every information that the defendant might desire. The objection raised to the certificate was that in the observations of the analyst there was included a statement, either as a matter of opinion or of fact, that the sample also contained a quantity of colouring-matter. The prosecution did not allege that that was to the prejudice of the purchaser at all, and it was not part of the prosecution. If the certificate had not been mentioned, no prejudice of any sort could have gone to the Court.

The Magistrate: It has been decided that a certificate is a necessary part of the prosecution.

Mr. Duder: I don't think it has been decided that it must be produced.

The Magistrate: It is a "condition precedent to the prosecution."

Mr. Duder: Yes, a certificate must be given, but it does not say it must be produced.

The Magistrate said there was another point. The analyst stated in his certificate that the foreign ingredient was not less than 15 per cent., and in his evidence he said more than 2 per cent. might rightly be allowed. Had he deducted that 2 per cent.?

Mr. Roberts (analyst): Yes.

The Magistrate: So that really the analysis shows not less than 17 per cent.

Mr. Duder: I submit that the certificate is still accurate. It allows a margin.

The Magistrate: But surely the defendant is to know the amount of adulteration alleged. I was under the impression last week that it was 13 per cent. I was in doubt, and I have to ask Mr. Roberts to clear my mind.

Mr. Roberts: It is impossible to say, to be correct, how

much is really present. My conclusion is the percentage is between 17 and 18, and in my figures I have taken 15.

The Magistrate: Why did you not state in the certificate the exact amount of foreign ingredient present, and then say that a percentage might be allowed?

Mr. Roberts: It has always been the case to give the defendant any doubt.

The Magistrate: I quite agree, Mr. Duder, that, like workmen's compensation cases, all these cases cannot be made to fit, but still there are cases where a certificate cannot be added to. It must stand or fall without outside evidence.

After further conversation the case was adjourned for three weeks. It was also stated that there was another pepper case for hearing, and that would stand over till the present case was decided.

On the suggestion of Mr. Rudd, Morrish was dismissed from the summons, and the name of White, Palmer & Co. substituted as defendants.

LIMITED COMPANIES.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

Oxydol (1914), Ltd.—Capital 100*l.*, in 1*l.* shares. Objects: To carry on the business of manufacturers of and dealers in medicinal waters, preparations, and tablets under the name of "Oxydol" or otherwise. Secretary: W. B. Thorns, 4 London Wall Buildings, E.C.

Lister's Antiseptic Wound Cure, Ltd. (P.C.).—Capital 1,000*l.*, in 5*s.* shares. Objects: To take over from A. W. Lister an exclusive licence to manufacture "Lister's Antiseptic Wound Cure." The first directors are Minnie B. Lister (permanent director and secretary), Avalon, Pinner Road, Northwood; and R. J. Jackson.

Consol Automatic Aerators (1914), Ltd. (P.C.).—Capital 30,000*l.*, in 1*l.* shares. Objects: To take over and carry on the business of Consol Automatic Aerators, Ltd. (incorporated in 1909). The first directors are G. H. Brown, J. Heal, C. J. Stanley, and F. Willan. R.O., 22, 24, and 26 Paul Street, Finsbury, London, E.C.

Menley & James (Colonial), Ltd. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To carry on in Australasia, South Africa, and elsewhere the manufacture and sale of all kinds of drugs, medicines, medical and pharmaceutical preparations, foods and restoratives, etc. The first directors are J. T. Marsh, C. H. Ratcliffe, and D. Davidson. R.O., Menley House, 30 Farringdon Road, London, E.C.

Company News.

United Alkali Co., Ltd.—After paying 7 per cent. on the preference capital, there remains of the 1913 profits 25,000*l.* to carry forward, the ordinary shares receiving no dividend.

Lever Bros., Ltd.—The authorised capital of this company is 30,000,000*l.* Of this 11,833,528*l.* has been issued as follows: 5 per cent. cumulative first preference shares, 2,000,000*l.*; 5 per cent. cumulative "A" preference shares, 2,000,000*l.*; 6 per cent. cumulative "B" preference shares, 1,000,000*l.*; 6 per cent. cumulative "C" preference shares, 3,250,000*l.*; 15 per cent. cumulative preferred ordinary shares, 1,423,568*l.*; 20 per cent. cumulative preferred ordinary shares, 100,000*l.*; and 5 per cent. cumulative "A" preferred ordinary shares, 59,960*l.* The company now offers for subscription 1,000,000*l.* more of the 6 per cent. cumulative "C" preference shares of 1*l.* each at 21*s.* per share, and full particulars are given in an advertisement in this issue. We notice that the dividends paid have increased from 396,250*l.* in 1909 to 800,473*l.* in 1913.

United Chemists' Association, Ltd.—The report of the directors for 1913 and the accounts show balance from trading account of 1,723*l.* 13*s.* 3*d.*, and balance from 1912 (291*l.* 1*s.* 3*d.*) and transfer-fees (2*l.* 15*s.*) bring the amount to 2,017*l.* 9*s.* 6*d.*, from which have to be deducted managing directors' remuneration (250*l.*), directors' fees and expenses (176*l.* 11*s.*), income-tax (9*l.* 5*s.* 6*d.*), 68*l.* 19*s.* 1*d.* written off preliminary expenses account, and 100*l.* placed to reserve, leaving a profit balance of 1,392*l.* 13*s.* 11*d.*, out of which the directors recommend payment of a dividend at the rate of 5 per cent. per annum on all shares, a further 5 per cent. on the 500 founders' shares, a bonus at the rate of 10 per cent. on members purchases of bonus goods for the first year (1910), to provide for directors' remuneration, and to carry forward the balance to next year's accounts. The directors notice that some members are in the habit of deducting discount when paying their accounts after the day on which they are properly due. They give notice that in future any such deductions will be debited against bonus accruing. Messrs. A. E. Bolshaw and J. Gilbert Jackson are the retiring directors, and offer themselves for re-election. Of the authorised capital of the company (15,000*l.*), 500 founders' shares and 1,165 ordinary shares, each of 5*l.*, have been issued, and 6,539*l.* 15*s.* has been paid on them. The other liabilities consist of mortgage on freehold premises 655*l.* 13*s.* 6*d.*, reserves 180*l.*, creditors 4,331*l.* 0*s.* 6*d.*, and unclaimed dividends 4*l.* 17*s.* 8*d.* The property and assets comprise goodwill 454*l.* 19*s.* 6*d.*, freehold premises 1,319*l.* 1*s.*, plant, fixtures, etc., 586*l.* 7*s.* 11*d.*, stock 6,098*l.* 12*s.*, debtors 3,555*l.* 0*s.* 5*d.*, cash 759*l.* 19*s.* 9*d.*, expenses accounts 330*l.* The directors note that the net profit earned is 25 per cent. of the paid-up capital (which is attributed to the increased accommodation), and that all advertising has been paid for out of revenue; also that there have been increases in the volume of business and number of members. The annual meeting of the shareholders will be held at Ucal Works, Priory Court, Cheltenham, on Wednesday, March 11, at 2 P.M.

BIRTHS.

Authenticated notices are inserted without charge.

Armitage.—At Hôtel des Familles, Geneva, on February 26, the wife of T. Armitage, Brand & Co.'s Continental representative, formerly at Cannes and Interlaken, of a daughter.

Cope.—At 22 Paget Road, Wolverhampton, on March 4, the wife of A. Cope (Reade Brothers & Co., Ltd.), of a son.

Crossley.—At 73 Shaw Heath, Stockport, on February 27, the wife of Arthur Crossley, pharmacist, of a son.

Hatrick.—At 9 Blakesley Avenue, Ealing, on February 24, the wife of Vivian Lindsay Hatrick (James L. Hatrick & Co., Ltd.), of a son.

MARRIAGES.

Authenticated notices are inserted without charge.

Smith—Beckett.—At St. Stephen's Church, Tonbridge, on February 24, Albert John Smith, second son of Mr. A. J. Smith, of 70 Baltic Road, Tonbridge, to Constance Maud, youngest daughter of Mr. H. R. Beckett, chemist and druggist, Algol, Woodfield Road, Tonbridge.

Smyth—Moderegger.—At Dublin, on February 19, Frank D. Smyth, Ph.C., 43 Great Brunswick Street, Dublin, to Miss A. Moderegger, daughter of the late William Moderegger, Vordenberg, Styria.

DEATHS.

Authenticated notices are inserted without charge.

Adam.—At Aspenbank, Turriff, suddenly, on February 26, Mr. Allan Adam, chemist and druggist, aged eighty-five. Mr. Adam was in business as a general merchant, including the drug-trade, at Teviot, near Oldmeldrum, when the Pharmacy Act, 1868, was passed. He was registered as a chemist and druggist, and ultimately transferred his business to Smallburn, Auchterless, where he made a competence and retired to live at Turriff.

Bramwell.—At Felsberg, Roby, on February 27, Mr. Edward Bramwell (Bramwell & Son), Parr Chemical Works, St. Helens, aged eighty-two. Mr. Bramwell took a prominent part in the discovery of the Weldon chlorine process. He was an original member of the Society of Chemical Industry.

Browne.—At Melrose, Exeter, on February 26, Mr. Victor Browne, late of Messrs. Lennon, Ltd., Johannesburg and Cape Town, aged forty-nine.

Burd.—On February 28, after a long illness, Mr. F. J. Burd, manager of the laboratories of Messrs. Evans Sons Lescher & Webb, Ltd., Liverpool. Mr. Burd had been with the firm for more than forty years, and when Mr. Michael Conroy died seventeen years ago Mr. Burd succeeded him as manager. Although not a registered chemist

and druggist, Mr. Burd was a competent pharmacist, and had a genius in manufacturing galenicals on the large scale, while he was thoroughly alive to the progress of pharmacy, and kept pace with it. Latterly he was assisted by Mr. G. W. Marris, Ph.C., a pupil of Mr. W. Watson Will, who entered the firm's analytical department ten years ago, and will now take Mr. Burd's place as manager.

Maxwell.—At St. Neots, Hunts, on February 5, Mr. George Neal Maxwell, aged seventy-seven. Mr. Maxwell passed the Minor examination on December 31, 1868.

Preston.—At 7 Eldon Road, Hampstead, on March 3, Mr. Stanton William Preston, aged ninety-two. Mr. Preston was one of the three brothers (the others Alfred Preston and J. T. Preston) who were partners together as wholesale druggists under the title Preston & Sons at Smithfield Bars, now Thomas Hodgkinson, Prestons & King, Bishopsgate and Duke Street, London, E.C. He retired from the business many years ago, but returned to London when he was appointed to the Court of the Carpenters' Company, and on the death of Mr. Jupp, clerk of the company, Mr. Preston was offered the position and accepted it, retiring twelve years ago. He and his two brothers were past-masters of the company, as also were the late Mr. J. Classon Preston and Mr. Percy Preston, sons of Mr. J. T. Preston, and Colonel Alfred Chas. Preston, son of Mr. Alfred Preston, and at present senior of the Bishopsgate firm. Mr. Stanton Preston, when master of the company, laid the foundation-stone of the Carpenters' Hall at the corner of London Wall and Drapers' Gardens. He was father of the company at the time of his death.

Walker.—At Cheltenham, recently, Margaret Dewar, wife of Mr. A. S. Walker, Ph.C., aged thirty-nine.

WILLS PROVEN.

Mr. John Blow, chemist and druggist, 25 Roxburgh Terrace, Whitley, who died on February 3, left estate valued at 248*l.* 10*s.* 11*d.* gross.

Mr. William Twiss, chemist and druggist, New Hunstanton, who died on December 14, left estate of the gross value of 171*l.* 4*s.*

Mr. Frank Brumfitt, manufacturing chemist, 109 Tennyson Place, Bradford, who died on December 14, left estate valued at 3,983*l.* 4*s.* 3*d.* gross, with net personalty 2,880*l.* 0*s.* 7*d.*

Mr. Robert Cooper, chemist's traveller, 4 Grove Avenue, Grove Street, Higher Broughton, Salford, who died on January 29, left estate valued at 549*l.* 8*s.* 10*d.* gross, with net personalty 520*l.* 16*s.*

Mr. Richard Stevenson, chemist and druggist, 108 Osmaston Road, Derby, who died on December 4, left estate of the gross value of 6,424*l.* 7*s.* 4*d.*, of which 4,293*l.* 6*s.* 8*d.* is net personalty.

Mr. Eleazer Davis, chemist and druggist, 79 Caerleon Road, Newport, Mon., who died on January 7, left estate of the gross value of 1,472*l.* 0*s.* 5*d.*, of which the net personalty has been sworn at 1,298*l.* 12*s.* 1*d.*

Mr. Alfred Herbert Rowland Balmforth, 22 Lichfield Drive, Sedgley Park, Manchester, for many years with Messrs. Jas. Woolley, Sons & Co., Ltd., Manchester, who died on December 24, left estate valued at 415*l.* 10*s.* 6*d.* gross.

Mr. Roger Squier Tucker, Knightcliffe Villas, New Barnet, Herts, for over forty years a representative in the Midland and Northern counties of Messrs. D. & W. Gibbs, City Soap-works, Wapping, who died on June 29, left estate valued at 2,506*l.* 16*s.* 6*d.* gross, with net personalty 2,434*l.* 13*s.* 8*d.*

Mr. Thomas Wright Hall, 22 Plymouth Road, Penarth, for over thirty years South Wales representative of Messrs. Ferris & Co., wholesale druggists, Bristol, who died on November 29, left estate of the gross value of 9,825*l.* 14*s.*, of which the net personalty has been sworn at 9,618*l.* 6*s.* 5*d.* The testator left all his property to his wife, Mrs. Mary Elizabeth Hall, absolutely.

Mr. Pattinson Hayton, chemist and druggist, "The Laurels," Wigton, who died on January 17, left estate of the gross value of 20,189*l.* 16*s.* 11*d.*, of which 10,522*l.* 19*s.* 9*d.* is net personalty. The testator left 500*l.* upon trust for his granddaughter, Florence Annie Hayton; 20*l.* 16*s.* per annum to his sister, Margaret Hogarth; an annuity of 20*l.* 16*s.* to his housekeeper, Fanny Little, if in his service at his death; and the residue of his estate upon trust for his children, Mary Strong, Joseph Hayton, Thomas Irwin Hayton, and Amos Clarke Hayton, or their issue, in equal shares.

TRADE NOTES.

Egg-preserving.—The Home Yeast Co., Ltd., 47 St. Paul's Street, Leeds, offer to send to our readers free samples and prices of Garantol, which is in special demand at present as an egg-preserver.

Royal Voral Dentifrice is the name of a new mouth-wash and dentifrice, of which trial parcels are offered by the sole agents for Great Britain and Colonies, Messrs. F. Walser & Co., 115 Clerkenwell Road, London, E.C.

Messrs. Thomas Waide & Sons, chemists' printers, Leeds, intimate in this issue that they retain all Harrison & Waide's copyrights, designs, illustrations, and other matters which have made this house noted in the drug-trade of the British Empire.

"Virolax" is the name given by Virol, Ltd., 152-166 Old Street, London, E.C., to a combination of 50 per cent. of liquid paraffin with the same amount of Virol from which a proportion of the animal fats has been omitted. It is put up in hermetically sealed tins with lever tops, and, besides being an ideal laxative for children and others, it is also useful as an expectorant.

Norwegian Cod-liver Oil.—The new-season's cod-liver oil which The British Drug Houses, Ltd., Graham Street, London, N., are now offering, is of excellent quality, and is characterised by its limpidity, absence of fishy taste and odour, and delicacy of colour. These characteristics should appeal to customers, and the company will be very pleased to send samples and quotations to buyers on application.

Raspberry-and-Sulphur Tablets.—Messrs. Arthur H. Cox & Co., Ltd., Brighton, are putting up this popular spring medicine in the form of circular lozenges, which are coloured a pale pink and have the flavour of orange. The constituents are sublimed sulphur, cream of tartar, and sugar, this form of the tablet being supplied at 8*d.* to 7*d.* per lb. in quantities of 14 lb. to 112 lb.; but if made with precipitated sulphur they cost 1½*d.* per lb. more. The company supply a handsome show-jar for these, but they also put up the tablets in lacquered tin boxes containing five rolls (in tinfoil) of ten each at 3*s.* per doz., to retail at 6*d.*, with the chemist's name and address upon the labels.

Dr. Fromberg's Jointment is the new name given to the Fromberg Joint Preparation, which was recently described in The Chemist and Druggist. The sole proprietors of this preparation are the Midland Drug Co., Nottingham, and they inform us they are making every endeavour to popularise the preparation—for example, they have taken the back page of the "Daily Express" for an announcement every Saturday, and on Saturday of this week the back page of the "Daily Mail" will also contain an announcement respecting the Jointment. This will help the demand for it in London, and the company invite the co-operation of chemists, emphasising the fact that they give 25 per cent. profit to the retailer.

Ess Viotto.—We mentioned last week that Messrs. H. Bronnley & Co., Ltd., Acton Vale, London, W., are beginning an extended advertising campaign in the high-class weeklies in regard to Ess Viotto, their novel preparation for the hands, which has already been well tested and is undoubtedly a good thing. It is put up in distinctive shaped bottles, as illustrated on p. vii of the *C. & D.*, February 28. In place of a screw top the sprinkler has a plug, which pulls out. The preparation has a delightful odour of violets, and when rubbed on the skin softens it and prevents chapping and the like. Ess Viotto retails at 1*s.*, 2*s.*, and 4*s.* per bottle, and the manufacturers will be glad to co-operate with chemists in effecting sales.

P.A.T.A. Prices.—The additions to the Protected List during February are: Allenburys' shaving-soap, Beiersdorf's Labello lip-salve, Bishop's additional preparations, Butilox hair-preparations, Camarole compound, G. W. Carnrick Co.'s preparations, Eucryl shaving-sticks, (Dr.) Fromberg's joint-preparation for rheumatism, Jaytee's Huile d'Olive, Johnson & Johnson's Synol and shaving soaps, Vaseline preparations, Zymate

tooth-paste. The following have been removed from the list: Muffler's infants' foods, Green Seal borax, Winox, Anax food, King's pills, Old Fort Chemical Co.'s preparations, Munyon's remedies; Toinoco clinical thermometers. The 1914 Year-book of the Association and the Chemists' Defence Association, Ltd., has now been issued. We notice that 359 firms have their products in the protected list.

Messrs. Wright, Layman & Umney, Ltd., Southwark, London, S.E., have issued their price-list of packed pharmaceuticals, pills, tablets, etc., and Wright's coal-tar specialities. It constitutes Part III. of their series, is a quarto, beautifully printed and produced. Page 2 contains the prices of Wright's coal-tar specialities—namely, the ordinary retail price, minimum retail price, ordinary wholesale price, and lowest wholesale price, each set forth in table style. Then follows a condensed list of packed pharmaceuticals for retail sale in alphabetical order, four columns; after which are more than fourscore pages of specifications of the different specialities, illustrated by photo-engravings of the containers, in every case space being on the label for the name and address of the retailer. The tinted background used for the printing is effective. Every conceivable kind of galenical and preparation popular to the public is included, as well as compressed tablets, pills, and soaps; and we observe a very fully illustrated list of the advertising and other matter that the company give to help in selling Wright's coal-tar specialities.

PERSONALITIES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

Mr. E. H. Barritt, Ph.C., Colchester, has been appointed a visitor of licensed houses in the city under the Lunacy Act, 1890.

Sir Joseph Wilson Swan, F.R.S., is to receive the honorary freedom of Newcastle-on-Tyne for his services in electricity and photography.

Mr. Sydney Smith, Ph.C., B.Sc., F.I.C., has obtained the Ph.D. degree at the University of Kiel. Mr. Smith was a Bell scholar in 1907, and Pereira medallist in 1909.

Mr. Arthur Lynch, M.P., who is a member of the Select Committee on Patent Medicines, has been awarded the Diploma de l'Ecole Supérieure de l'Electricité, the highest honour that can be conferred by France in electrical engineering. The hon. member has already qualified in medicine, but first graduated as a C.E. at Melbourne University, and practised as an engineer in Australia, also lecturing on the subject.

Mr. John C. Hewlett, F.C.S., governing director of Messrs. C. J. Hewlett & Son, Ltd., wholesale and export druggists, Charlotte Street, London, E.C., is sailing by the *Edinburgh Castle* for South Africa this week. Mr. Hewlett's business tour will include Cape Province, Transvaal, Orange Free State, and Rhodesia, with a visit to the Victoria Falls, returning *viâ* Natal and the East Coast route. Mr. Hewlett's postal address will be c/o The Manager, Standard Bank, Cape Town, and his registered telegraphic addresses are "Bakslede," c/o Reuter, Cape Town; "Bakspieren," c/o Reuter, Durban; and "Depouille," c/o Reuter, Johannesburg.

Mr. J. C. Hewlett.

The Czar will be the patron of the International Congress of Applied Chemistry, which will be held at St. Petersburg in the summer of 1915.

WESTMINSTER WISDOM.

The Week in Parliament.

Dr. Addison, M.P.,

is confined to his house with an attack of influenza. There is an unconfirmed rumour in the Lobbies that he may possibly give up his seat in favour of Mr. Masterman.

Nurses' Registration.

Dr. Chapple, M.P., has introduced a Bill to regulate the qualifications of trained nurses and to provide for their registration.

A division was challenged, but leave to introduce the Bill was given by 311 votes to 82.

Patent-medicine Committee.

It is expected that the Select Committee on Patent Medicines will be set up without delay. The Chairman (Sir Henry Norman) is in Germany with Mr. C. E. Hobhouse, the Postmaster-General, and on Monday they visited the wireless-telegraph station at Nauen.

Daylight Saving and Calendar Reform.

Mr. Robert Pearce, M.P., re-introduced last week his two hardy annuals—a Bill to promote the earlier use of daylight in certain months of the year, and another to reform the calendar and fix Easter and other and more bank holidays. Next day the Prime Minister said the Government could not undertake to deal with the first question this Session. The Bill must take its chance with others.

The Position of Sub-postmasters.

The Postmaster-General informed Mr. T. Wing, M.P., in the House of Commons on Monday, that the total remuneration of sub-postmasters, including the increase recommended by the recent Committee, is about 1,500,000*l.* a year. A 10-per-cent. increase, therefore, would cost about 150,000*l.* a year.

In the House of Commons on Wednesday the Assistant Postmaster-General said he hoped to shortly be in a position to state the basis on which remuneration would be made to head and sub-postmasters and mistresses for work entailed in the transfer of the telephone local exchanges, payment of operator, &c. He could not say whether the payment would be retrospective.

Chemists and the Weekly Rest-day Bill.

Among the occupations which may be carried on, either continuously or during limited hours, on Sundays, and which are specially mentioned in the first schedule of the Weekly Rest-day Bill just introduced in the House of Commons by Mr. E. A. Goulding, M.P., is the sale or delivery of drugs, medicines, surgical instruments and appliances, and ice for medical purposes, for the immediate relief of sickness and suffering. Any necessary work required in connection with the sale or delivery of these commodities is allowed, provided that where the hours of sale or delivery are restricted such work shall not be permitted to occupy a period exceeding one hour in addition to the hours of sale and delivery. Receiving, transmitting, or delivering telegraph, telephone, or wireless messages is also permitted, and the work of medical men, nurses, attendants, and other persons employed in the care of patients, whether in hospitals, asylums, infirmaries, or other institutions, or in the course of private medical practice, is also specially exempted. The main object of the Bill is to consolidate and amend the Acts relating to Sunday employment and to regulate the conditions of labour upon the basis of six working-days in the week, with Sunday as the normal rest-day, having regard to present-day social and industrial conditions. Among the supporters of the Bill are Sir William Aitken, Lord H. Cavendish-Bentinck, Sir A. Griffith-Boscawen, Mr. Noel Buxton, Mr. W. H. Dickinson, Mr. Gladstone, Mr. A. Henderson, the Rev. Silvester Horne, Mr. Hudson, Mr. O. Locker-Lampson, and Mr. W. Redmond.

Insurance Act Matters.

There may possibly be a further discussion on the working of the National Insurance Act on March 17, on

which date Mr. Denison Pender has secured a place in the ballot.

Mr. Godfrey Locker-Lampson, M.P., will ask on Monday whether the Government intend to introduce legislation this year dealing with deposit contributors and deficiencies in approved societies under the Act.

Mr. Wedgwood Benn, M.P., stated on Monday that the amount provided in the estimates for the financial year 1913-14 for the cost of the central administration of the Insurance Act by the several Commissions and the Joint Committee is 855,659*l.*

Mr. Godfrey Locker-Lampson will on Monday next ask the Chancellor of the Exchequer whether the evidence taken by the Departmental Committee on Excessive Sickness under the National Insurance Acts can be published for the information of approved societies and others interested in the subject.

Mr. Godfrey Locker-Lampson put a question on Wednesday as to whether (1) the Manchester panel chemists have any control over the nature of the prescriptions ordered by the doctors; and, if not, (2) why they should not be entitled to full payment for the prescriptions they make up.—Mr. Wedgwood Benn replied that the answer to the first part of the question is in the affirmative. Under the regulations it is open to the chemists on the panel in any area to obtain a scrutiny of the prescriptions dispensed by them, with a view to surcharging the individual doctors responsible for the cost, if it is shown to be excessive or extravagant.

[Mr. Locker-Lampson had two questions on the papers on Thursday afternoon, one being about the resolution of the Canterbury Insurance Committee's Finance Sub-Committee to ask the Commissioners to grant more money to pay the local panel chemists' accounts. Mr. Benn had not heard of this. The other question was about the panel doctors in Bolton being unable to prescribe malt and oil, petroleum emulsion, etc., for patients who are not tuberculous, as the Drug Fund has been overspent. This had not been reached when we went to press. In the meantime a discussion on Medical Benefit is proceeding, Mr. Worthington Evans finding his opportunity for it on the Civil Service vote. Mr. Glyn-Jones spoke during the debate, appealing to the members opposite not to make the benefits of the Act a party question.]

PHARMACEUTICAL SOCIETY
OF GREAT BRITAIN.

Council-meeting.

THE monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on March 4. The business occupied a longer time than usual, as several important matters had to be discussed and decided. Letters of sympathy with the relatives of the late Mr. W. M. Holmes and Mr. J. W. Sutherland were ordered to be sent. There was a long list of donations to the Benevolent Fund, including one of 50*l.* from the Leeds Association. The Council made grants from the Fund amounting to 149*l.* 10*s.*, and also carried out an alteration in the rules so that annuities of smaller sums than 50*l.* can be made in certain cases. All annuitants are to be elected. The finishing touches were made to the new organisation scheme which makes the secretaries of County Associations and County Borough Associations divisional secretaries of the Society where the secretaries are members of the Society. The functions of the Local Associations Committee are to be handed over to the Executive Committee of the Local Associations Conference. The Assistants to Pharmacists (Qualification) Bill now before the House of Commons has been left in charge of a sub-committee. It was also decided to establish a Pharmaceutical Parliamentary Fund with the proviso that it is not to be devoted to furthering the interests of any particular political party.

The councillors present were: Mr. E. White (President), Mr. A. S. Campkin (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. C. B. Allen, F. E. Bilson, W. G. Cross, J. H. Cuff, W. L. Currie, F. J. Gibson, R. L. Gifford, D. Gilmour, A. Hagon, J. F. Harrington, E. T. Neathercoat, L. M. Parry, F. A. Rogers, P. F. Rowsell, F. P. Sargeant, T. A. White, and J. R. Young. Mr. Harrison had sent an apology for absence.

Deaths.

The meeting began punctually at eleven o'clock, and after the minutes of the previous meeting had been read and confirmed,

The President referred to the death of Mr. W. Murton Holmes and Mr. J. W. Sutherland, two members who had served the Society well. Mr. Holmes was associated with the Board of Examiners for many years and filled the position of divisional secretary. Beside his pharmaceutical attainments he had expert knowledge of certain sections of botany which was much appreciated. Mr. Sutherland, who died at the early age of fifty-three, had been a member of the North British Branch Executive, a member of the Board of Examiners, and a member of the Joint Standing Committee on Insurance. The President proposed that letters of sympathy be sent to the relatives of these two gentlemen.

Mr. Allen said he knew them both well, particularly Mr. Holmes, whose junior he was at John Bell & Co.'s. It was necessary to know him well before one found out what an authority he was on certain scientific matters outside pharmacy. His attainments added credit to the Society of which he was such a distinguished ornament.

Mr. Currie, referring to the late Mr. Sutherland, said his connection with the North British Branch extended over twenty-two years. He took a particular interest in the consolidation and organisation work of the Society. He rendered conspicuous service at the time of the consolidation of the Glasgow and West of Scotland Chemists' Association. Mr. Sutherland was a reticent man but exceedingly successful, becoming eventually the head of the historic pharmacy of Frazer & Green, of Glasgow. The stamp of death had been on him for some years, and he suffered much before he passed away at such an early age.

Mr. Rowsell referred to his association with Mr. Sutherland on the board of the Chemists' Defence Association. In that capacity Mr. Sutherland was a most able man, and his advice always received the greatest respect.

Mr. Gilmour said that on the Board of Examiners Mr. Sutherland was always eminently fair, and even generous, to those who came before him. He did his work thoroughly on the Executive.

Mr. Young recalled his visits to Scotland as President of the Society. On the first occasion he made the acquaintance of Mr. Sutherland, and felt that he was a valuable addition to his list of friends.

The Secretary was directed to send letters of sympathy to the relatives.

Elections and Restorations.

There were 54 members elected, the President remarking that, judging from the addresses, many resulted from the West Country visit of the Secretary. There were also 34 student-associates elected. Twenty persons were restored to their former position in the Society, and five names were restored to the Register of Chemists and Druggists.

Finance.

The Treasurer then presented the report of the Finance Committee. The receipts of the General Fund amounted to 2,519*l.* 3*s.* 9*d.*, made up as follows: Penalties and costs, 95*l.* 5*s.*; subscriptions, 2,017*l.* 1*s.*; "Journal" and publications, 162*l.* 4*s.* 1*d.*; restoration-fees, etc., 10*l.* 5*s.*; registration-fees, 195*l.* 6*s.*; dividend, 39*l.* 2*s.* 8*d.*; making a balance of 1,957*l.* 18*s.* 6*d.* after deducting the payments authorised at the last meeting. The following amounts were recommended for payment: "Journal" and publications, 166*l.* 8*s.* 4*d.*; stationery, etc., 410*l.* 14*s.* 7*d.*; current expenses, 300*l.*; salaries, etc., 846*l.* 0*s.* 4*d.*; school and examinations, 64*l.* 5*s.* 10*d.*; law charges, 27*l.* 8*s.*; house, 30*l.* 7*s.* 6*d.*; library, 11*l.* 3*s.* 1*d.*—a total of 1,856*l.* 7*s.* 8*d.* The balance on the Benevolent Fund current account was shown as 943*l.* 4*s.* 8*d.*, on the Donation Account 83*l.* 15*s.* 1*d.*, and on the Orphan Fund 21*l.* 13*s.* 4*d.* Commenting on the report the Treasurer said the payments were less than at the correspond-

ing period last year, and the general fund was therefore in a satisfactory condition. The receipts for the Benevolent Fund were also more, and the balance quite normal. The following special contributions had been made during the month: Peterborough Association, 2*l.* 9*s.* 6*d.*; West Ham Association, 5*l.* 10*s.*; North Kent Association, 3*l.* 3*s.*; Wolverhampton Association, 3*l.*; Kesteven Association, 2*l.* 14*s.*; Mr. P. Stiles (weighing-machine receipts), 8*s.*; Mr. N. L. Lewis (collecting-box), 15*s.*; and the Leeds Association (collected at district meeting and smoking-concert), 50*l.*

The report was adopted, and special resolutions passed authorising the payment of moieties of the Burroughs and Jacob Bell Scholarships.

Benevolence.

Mr. Rogers then presented the report of the Benevolent Fund, which recommended grants to twelve applicants amounting to 149*l.* 10*s.* The Committee also recommended that Clause 4 of the regulations governing the Benevolent Fund be altered to read:

The scale of pensions shall be 20*l.* per annum, 30*l.* per annum, 40*l.* per annum, or 50*l.* per annum, according to the discretion and on the recommendation of the Benevolent Fund Committee, and subject to the approval of the Council. No pension shall exceed 50*l.* per annum, but it shall be competent for the Council, on the representation of the Benevolent Fund Committee, to transfer a pensioner receiving less than 50*l.* per annum to the list of pensioners receiving that amount, or to such of the other scales of pension mentioned hereinbefore as his or her circumstances may appear to warrant.

Mr. Rogers explained that this recommendation is the outcome of the reference to the Committee by the Council to consider the practicability of instituting a system of smaller annuities. At present smaller grants can only be dealt with by the Committee, and applications have to be renewed each year thereafter. A graduated scale of pensions would, it is thought, considerably increase the usefulness of the Fund, and it will be possible to elect more annuitants each year.

Mr. Young said that so completely has the complexion of the Council changed that not many members remember the efforts of Mr. Hampson to bring about some such scheme as is now outlined. The Benevolent Fund Committee is the best judge of the suitability of the applicants, but the Council felt that to leave the choice of annuitants to the Committee would militate against the collection of subscriptions, and that it was well to keep the subscribers in touch by means of elections.

Mr. Allen was thoroughly in accord with the scheme, which would make the annual applications for assistance no longer necessary. It would now be in the discretion of the Council as to the amount of the annuity to successful candidates. He should have liked the Council to take up the question as to whether it would not be advisable to have two co-opted members on the Committee to represent outside subscribers. He knew that these subscribers had every confidence in the Council, but he considered that such representation would strengthen the fund.

Mr. Hagon gave an instance as to the apprehension felt by "minor" annuitants as to whether their grants will be renewed each year.

Mr. Parry said the thanks of the Council are due to the officers of the Society for the help given in the administration of the Fund. The new scheme originated with Mr. Chater, and will help to make the Fund more human.

Mr. Gilmour said it must be satisfactory to the members of the Committee to hear how their suggestion is received, and especially that it has obtained the benediction of Mr. Young and Mr. Allen. When considering the applications to the Fund for assistance he often asks, Who next? so dreadful are the combinations of circumstances in some cases.

Mr. Rogers said he was glad to hear the reason why the method of electing annuitants had not been altered. In reply to the President, Mr. Rogers added that all the annuitants would be elected by the voters.

The report was adopted, and substitution of the new clause for Clause 4 in the Regulations was authorised.

Library Committee.

Mr. Rowsell presented the report of the Library, Museum, School, and House Committee. The report stated that the Dean had reported that the new arc light supplied for the lantern is a distinct success, and that the cost was well within the estimate. The Salters' Company have agreed to suspend the Research Fellowship until the end of the session. The Secretary of the Departmental Committee, which the Board of Education has set up for the consideration of the Royal Commission on University Education in London, wrote asking for observations from the "Recognised Teachers" in institutions similar to the School of Pharmacy. The reply is to be drawn up in consultation with the professors referred to. The Selborne Society have been given permission to visit the museum on March 14, and the Secretary is to make proper provision for the reception of the party. Professor Crossley has presented to the Library the last general index to the Chemical Society's publications. An account for 21*l.* 12*s.* for house renovations and repairs was approved. This included 15*l.* for alterations in the lighting arrangements. The lantern on the roof of the Society's premises has also been removed. A contract for the maintenance of the house telephones has been entered into at a cost of 7*l.* 10*s.* per annum.

Mr. Parry thought details should be given monthly of the expenses in connection with the house repairs.

The report was adopted.

Apprentices Registered.

The Secretary reported that he had registered during the month seventy-eight apprentices or students.

Local Associations Committee.

Mr. Neathercoat presented the report of the Local Associations Committee. The first part dealt with district meetings that have been held in various parts of the country. The last part referred to the new scheme of organisation recommended to the Council for adoption. The following is the scheme:

[The verbal emendations of the Council are incorporated for convenience.—Ed.]

(1) That the Scheme of Organisation of the Society recommended at the Pharmaceutical Associations Conference on January 21 be adopted and put into operation forthwith.

(2) That the Divisional Secretaries contemplated under the resolution of Council of August 1900, so far as it relates to England and Wales, be no longer appointed, and that the Secretaries of the Associations conforming to the conditions laid down in the scheme be appointed to represent the Society in their respective localities, provided they are members of the Society, and that divisional officers may be appointed to meet any special local requirements.

(3) That the functions of the Local Associations Committee of the Council be merged in those of the Executive Committee of the conference.

(4) That the Executive Committee should meet monthly, and should report to the Council through the General Purposes Committee.

Mr. Neathercoat entered into a long explanation of the reasons which had influenced the Committee in coming to the conclusions. The scheme effects a great change in pharmaceutical organisation, and divisional secretaries on the old basis will no longer be required, as each Association will be represented by its delegate at the conference, and through the conference direct to the Council of the Society. Since Insurance areas must be the basis of organisation, in future it is proposed that the Secretary of each County or County Borough Association should be the local representative of the Society. In this way the Society can get into communication at once with the most active and reliable man in each district. Local requirements might necessitate the district being split up into divisions, and when that is necessary a scheme would be devised locally, and the Secretary of the local Association would be recognised at headquarters. As an example, he instanced Birmingham, which has only one Insurance Committee and one Pharmaceutical Committee, although there are six or seven Parliamentary divisions. It might be advisable to have representatives of each of these divisions who would co-operate with the Divisional Secretary. In the county of Surrey, again, there is a County Association which has affiliated to it four other

Associations, each of which might elect to have a representative to co-operate with the County Association Secretary. The present scheme of divisional secretaries has not been altogether successful, because although there are many excellent workers the system is at fault. The men who are deposed will, however, not be lost to pharmacy, which has plenty of work for them to do. The recommendation that the work of the Local Associations Committee be entrusted to the Executive Committee of the Conference of Local Association Delegates is coupled with the requirement that the Committee shall report to the General Purposes Committee of the Council, the last-named remaining the head governing body in all things that pertain to the practice of pharmacy. He admitted that the new scheme is something in the nature of a revolution, but it has great possibilities and links up all the Associations with the Council itself.

A good deal of discussion followed the exposition of the scheme, some of the points being directed to amending the wording. The question whether more than one officer would be required for each Insurance area was a bone of contention, and fears were expressed by Mr. Sargeant and Mr. Cuff that the Divisional Secretary would not be able to do all the work entrusted to him. Mr. T. A. White thought it hardly fair to expect the Divisional Secretary to neglect his business without a guarantee of financial assistance. Mr. Bilson thought that in some districts additional representation would not be required. Mr. Cross pointed out that the County Secretary could always collect information from district officers. Mr. Sargeant and Mr. Currie objected very strongly to the proposal to delegate the work of the Local Associations Committee to an outside body. Mr. Allen agreed that the proposal was a little unusual and Mr. Gilmour pointed out that it might happen that the only communication from Associations would be through men not in direct touch with the Council. The President reminded the Council that the scheme carries out the agreement arrived at at the Conference of Local Associations delegates, and that the Executive Committee can be trusted to work loyally with the Society. Mr. Campkin held that the functions of the Executive Committee are advisory, and that the Council would remain the supreme body. Mr. Cuff held that the Local Associations Committee was really enlarged in scope and made more useful. Mr. Gifford was shocked at the iconoclastic proposals of Mr. Neathercoat, but thought that things are not so bad as some members imagine, for the reason that the General Purposes Committee, to which the Executive Committee would report, consists of all the members of the Council. Mr. Rowsell said that to keep alive the Local Associations Committee would only be keeping two committees to do the same thing. Mr. Cross recalled that all the time he has been on the Council there has been a struggle for unity. The Local Associations Committee could easily be resuscitated if it is found that the Executive Committee is not working properly. Mr. Young had confidence in the men who had investigated the matter and drawn up the scheme, and, referring to several members who in the discussion said they had slept on the scheme and changed their minds in the morning, said sleep is not always a good agent to trust to. He imagined that Rip Van Winkle's ideas were not improved after his long sleep. (Laughter.) Quoting the hymn, he said to the councillors, "Fresh courage take, ye fearful saints." The President wound up the discussion by the statement that the scheme carries out in full the views of the Conference. The report was then put to the Council and carried, Mr. Sargeant and Mr. Currie voting against it.

Mr. Currie: How is the scheme to be conveyed to the Executive? Are they to be told to carry it out?

The President: We shall just treat them as "men and brothers."

The scheme was then embodied in a separate resolution, and carried, Mr. Sargeant and Mr. Currie still objecting.

Parliamentary Matters.

The report of the Parliamentary and General Purposes Committee was then taken. In this it was stated that the Parliamentary Bill "for establishing a qualification for an assistant compounder to a pharmacist" has been put into Parliamentary phraseology and will in due course be the subject of a Conference between the Parliamentary Secretary and the officers of the Society. It was recommended that a sub-committee, consisting of the President, Vice-President, and Messrs. Allen, Currie, Hagon, Harrington, and Rowsell, be set up for the purpose of co-operating with the Parliamentary Secretary in taking such steps as may be required to advance the Bill. The Committee also considered the advisability of establishing a Pharmaceutical Parliamentary Fund for the purpose of maintaining, and if possible increasing, the direct representation of pharmacy in the House of Commons, and it was resolved to recommend the Council to set up a fund on similar lines to the Benevolent Fund. It was further recommended that the Library, Museum, School, and House Committee be directed to draw up rules for the administration of the Fund and to ensure that the Fund should not be devoted to furthering the interests of any particular political party.

Honorary Members.

The Committee also discussed the question of electing honorary and corresponding members of the Society in May next, and several names of persons distinguished in the branches of science allied to pharmacy were recorded for further consideration at the next meeting.

The report was adopted.

Correspondence.

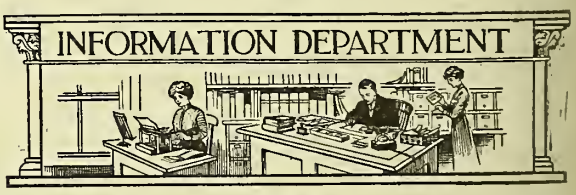
The Privy Council approved the appointment of the two new examiners, and the examiners wrote thanking the Society for the appointments.

The Pharmaceutical Association of the Province of Manitoba called attention to an inaccuracy regarding pharmaceutical registration in an official Handbook issued by the Emigrants' Information Office.

The Grimsby Association registered its disapproval of the draft organisation scheme—due, the President said, to a misapprehension of the scope of the scheme.

Mr. E. W. Lucas asked permission to use a tabular compilation of preparations in the British Pharmaceutical Codex in the new edition of Beasley's "Pocket Formulary." This was acceded to.

This concluded the public business.



Postal Address:
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.
Telegraphic Address: "CHEMICUS CANNON LONDON" (two words).
Telephone Number: BANK 852 (two lines).

INFORMATION WANTED.

Postal or telephone information as to the names and addresses of the agents for or makers of the undermentioned articles is solicited. Please address as above.

142/28. "Magic Soap" (to remove corns).
141/35. Hennie's (Berlin) photo postcards.
142/3. Desvoge's corn-cure.
142/300. "Esauline."
142/301. "Golden Douche."
141/19. "Ozonide."
143/36. "Shooto," used to scare rabbits and foxes from their holes.
143/18. Sheldon's digestive tabules.
146/23. "Germatic tablets" (for rheumatism).
146/230. Eggar's hair-tonic
146/3. Stumpp's sterile bolus.
144/74. Girault's heliotrope perfume.
140/57. Edwards' humanised milk.
147/51. Gregory's inhalers.
147/510. "Mecca" ointment.
147/49. "Tannin Gussett" (for veterinary use).
142/1. Precipitated silicate of zinc: actual manufacturers.
142/10. All-metal pocket-pump sprays: Continental makers.
138/23 and 145/60. Caquala (or Caguala) tea: address of makers.
149/41. "Sidway" bedside table (American).
149/410. "Zouth Red Pills."
149/411. Lee's odourless paraffin.
149/44. "D. D." digestive discs.

OBSERVATIONS AND REFLECTIONS.

By Xrayser II.

My Note on the Recent Conference,

though I have reason to think that some people thought it hypercritical and unfair, is fully justified by the subsequent course of events, and I am very glad to find you urging so strongly the necessity of direct territorial representation on the Executive Committee. Such representation as we have secured is almost as bad as none, for it is little more than a mockery from the point of view of those who in the nature of things are least able to speak for themselves, yet are most in need of an effective voice. Town associations can, to a great extent, look after the interests of their own members and bargain with committees, but the country panel chemist is helpless and alone. Once more the Pharmaceutical Society appears to be letting slip an opportunity for a solid federation of the whole trade, or, rather, to be actively resisting the instinct of the trade to federate itself.

Manchester has Made History

in the past, and that great community will be as potent a force in the future as it ever has been. The genuine Mancunian is always a power to be reckoned with when he takes up a position, and the discussions in the House of Commons last week are the first official signal of a contest that will be fiercely fought, but that, I hope, will be decisive. I am told that if ever the inner history of the Manchester Insurance Act episode is written people will be amazed at two aspects of the situation: first, the malignity to the principles of the Act shown by many of the leading members of the medical profession, and the rapacity with which they have laid themselves out for plunder in connection with it; and, secondly, the absolute loyalty of the Manchester pharmacists, "faced with ruin," in standing to their contracts. Now that the question has been forced to the front and the Prime Minister has been compelled to face the facts as to the manner in which the dice have been loaded against the pharmacist, there is every hope that a truly scandalous state of affairs will be remedied, and that those public benefactors who by their honourable conduct (conduct worthy of Manchester at its greatest and best) have enabled the Act to be administered will not be allowed to suffer the indignity and loss with which they are threatened.

Sub-Postmasters

of any experience did not expect to get anything like adequate payment for Insurance work, and they are not being disappointed. What has always happened to them with the extension of post-office work is happening again. When the parcel-post was introduced the old poundage on stamps was commuted into an increase of salary, but the increase was made on the basis of previous sales, so that the new trade in stamps was done for nothing. Similarly, when postal orders were introduced the new work was paid for at a very much lower rate than the old post-office orders, though it involved a great deal more trouble and responsibility, and opened the way to greater loss from mistakes. When telegrams were reduced from a minimum of 1*s.* to 6*d.* sub-postmasters again lost on the work done, for shortly afterwards the allowances for delivery were greatly reduced. When the old stamp distributors die off and their work is transferred to sub-postmasters, the latter are not paid at anything like the same rate; and payment for old-age pensions work is so miserably low that one man I know has only received ten shillings for it up to the present time. The Government mode of procedure in such matters is well shown in Mr. Hobhouse's reply to Mr. E. Harvey in the House of Commons. New work is imposed willy-nilly, and a year or two afterwards the hope is expressed that some day it will be possible to "fix the basis of remuneration." We have, as children say, to shut our eyes and open our mouths (not too wide), and see what Government will send us.

Tincture of Iodine

is quite likely to be often sold containing an excess of 40 per cent. of iodine, and I think that in the case mentioned last week the defendant might have made a much more effective defence. The fact is that B.P. tincture of iodine is ridiculously weak, and probably in the majority of cases the prescriber orders a stronger preparation when it is required as a pigment. In certain parts of the country the old Edinburgh Pharmacopœia tincture, which is more than double the strength of the B.P. tincture, is always kept in stock and always sold when a pigment is asked for. On the rare occasions when tr. iodi is prescribed the B.P. preparation is of course supplied, but a large number of prescriptions now call for equal parts of lin. iodi and tr. iodi.

The Keeping Properties

of tincture of iodine, which are referred to in your paragraph on the Paris Society of Pharmacy, are of even greater importance than the strength of the preparation, and if it be true, as pointed out by M. Bourquelot, that a tincture of iodine containing 4 per cent. of potassium iodide is practically unspoilable, the problem of how to preserve solutions of iodine as antiseptic agents may be regarded as having been solved. Sterilisation of the skin previous to operation is now very commonly done by means of iodine tincture, but this must be freshly prepared, otherwise it is said to be less useful for the purpose. I fancy this statement originated on the Continent, where the official tinctures of iodine are simple solutions of iodine in alcohol, without potassium iodide. This confirms the superiority of the British Pharmacopœia formula.

Pil. Cochiae,

as Dr. Wynn Westcott said in the case reported last week, is "an old familiar remedy of a harmless nature," but in spite of all that has been written on the subject I found, in the course of some inquiries I made, both in London and elsewhere, after the appearance of my note on the etymology of the term pil. cochiæ in January 1913, that one does not always get the same thing when this pill is asked for. Wootton is unquestionably right in saying that pil. coloc. co. is the lineal descendant of pil. cochiæ, but in only two cases (if my memory may be trusted) was it offered to me without hesitation, and in one or two my assertion that this is what ought to be supplied was disputed. It may therefore be well to carry Wootton's history of the pill a little further. He says that both the pil. cocciæ majores of Rhazes and the pil. cocciæ minores, ultimately traceable to Galen, were included in "the early London Pharmacopœias," but, if I am not misled by Alleyne, the latter was not in the earliest of all, that of 1618, though it appeared in the next. In 1746, as Wootton says, the latter only was retained, its name being changed to pilulæ ex colocynthide cum aloe. The old name was, however, still retained in the Edinburgh book. In 1788 the London College reduced the number of official pilulæ to six, and this one was not among them, being, perhaps, thought unnecessary along with ext. coloc. co., the old ext. cathartic. But in 1851 the pill was reintroduced as pil. coloc. co., and the ext. coloc. co. dropped, the other being regarded as a substitute for it. The Dublin Pharmacopœia had both these preparations. The important point at present is that the *pil.* always had pil. cochiæ (or cocciæ) for its synonym, whereas the "*ext.*" was otherwise known as *pilulæ sex extractum rudii.*

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Editorial Articles.

The Two Societies.

In the process of publishing from the issues of The Chemist and Druggist of fifty years ago paragraphs regarding important events that were reported then, we come to-day to the first instalment of the happenings of 1864 which have so frequently during the past thirty years been instanced as the reason why the Pharmacy Act, 1868, is "a mere Poisons Act." Representatives of the Pharmaceutical Society have consistently blamed the United Society of Chemists and Druggists for this. At that time the Council of the older Society was a somewhat lethargic body, as difficult to move as a century-old tortoise. It was something like this that young Michael Carteighe told the President of 1863-64 (Mr. G. W. Sandford), when he received from the President the Council prize of the year, to which young Carteighe responded by giving the Council a bit of his mind—and it was as biting and pungent as a pod of red pepper, once the sugar coating dissolved from it. The state of trade feeling at the time has been reflected feebly in the quotations which we have recently reprinted regarding the attempts made fifty years ago by the General Medical Council to bring the practice of pharmacy and the retail drug-trade within its jurisdiction. It was the United Society, not the Pharmaceutical Society, that wakened up the trade then to the real danger of the General Medical Council's effort. That Council was clever enough to recognise that the spirit of the time was in favour of a more embracing statute than the Arsenic Act, 1851, and the Pharmacy Act, 1852. The conditions were clamant for poison legislation, and none knew this better than chemists and druggists. The Council of the Pharmaceutical Society had been so silent as to the General Medical Council's attempted legislation, and apparently so indifferent about the whole matter, that some 300 members of the Society were moved to force their hands by submitting a memorial calling for a general meeting of the members of the Society to be held. We reprint this week a first instalment of correspondence which then took place. Others will follow. These quotations throw a light upon the temper of the time which has

ways been obscured by the Bloomsbury historiographers, ith the result that the Pharmaceutical Society has stood it as a model of virtue and the United Society as a mon of unrighteousness. We have not the slightest sire to resurrect these dead-and-gone differences of inion, but we do think that the time is not inappropriate r showing that the Bloomsbury people of 1864 handled atters badly, and by scorning the friendly hand held out them by the United Society opened a period of contion which otherwise would not have occurred. In ese present days the lessons of history are useful, and e 1864-67 one is of the most momentous and important.

Medical Matters.

he Executive Committee of the General Medical Council et in London last week, when Sir Donald MacAlister, .C.B., the President, was able to preside over the Comittee's deliberations, he having quite recovered from his cent serious indisposition. The Committee had a very rge amount of business to transact, including consideraon of a number of Medical Acts which have been lopted in British Colonies. These included an amendent of the Newfoundland Medical Act, which came law last year; information in respect to the regisation of medical practitioners in New Brunswick; milar consideration of the Act of New Zealand passed 1908; an ordinance respecting the profession of medine and surgery in the Yukon territory (which became w in 1912); the result of consideration of all these being level up, where necessary, the conditions precedent registration as medical practitioners in the respective laces. The Tasmanian Opticians Act, 1913, was also nsidered, and the Council decided to forward to the olonial Secretary documents relating to the Council's tion in 1906 regarding proposals for similar legislation this country (the Sight-testing Opticians Bill), which e Council considered to be "dangerous in the public terest," it being of opinion that only those duly qualified medicine and surgery should test the eyesight. The xecutive Committee's most important subject was a emorandum by the President regarding correspondence nd negotiations that he had had with Sir Robert Morant President of the National Health Insurance Commission) garding the amended Medical Benefit regulation admitng treatment of insured persons by herbalists and other nqualified persons. We have already fully explained the fect of that regulation as finally adopted. It appears that, s the result of negotiations, Sir Robert Morant intimated is desire to meet the wishes of the Council in regard to e legal objections that were urged against the arrangeents possible under the 1913 regulations, and alterations ere made which ensure that the procedure to be adopted the case of "own arrangements" made by insured ersons with qualified practitioners is not applicable in he case of arrangements which certain insured persons ight be permitted by the Insurance Committees to make n their own responsibility with unqualified persons. We ave already explained that ground for this distinction vas found in some of the conditions of the Exchequer rant, which cannot possibly be complied with by other han practitioners duly qualified according to law. The Executive Committee approved the President's manageent of this business, and asked him to inform Sir Robert Morant as follows:

"That in the event of the Council being officially placed n possession of a substantial complaint of blameworthy careessness on the part of a practitioner in signing certificates or a patient for the purpose of claiming sickness benefit under the Insurance Act, it would be prepared in due course to take such disciplinary steps as are within its statutory powers, in accordance with the terms of the Warning Notice which has been issued for the information of members of the medical profession."

There can be no question that the General Medical Council has scored in this matter, for there is only a remote possibility of unqualified medical practitioners being paid for services under the National Insurance Act out of funds provided for Medical Benefit. We cannot refrain from the reflection that pharmacy is treated in quite a different manner. No doubt certain parts of the work that falls to those connected with pharmacy is not in the strict sense of the term "professional," but the pharmaceutical position is, in a measure, being weakened by legislation now contemplated, and this is in striking contrast to the medical position.

Appended to the report of the Executive Committee are the accounts for 1913, including those respecting the British Pharmacopœia. The Council has 400*l.* on deposit for publishing the next Pharmacopœia, and 1913 commenced with a surplus of 643*l.*; 356*l.* was received from the sale of 1,060 copies of the B.P., and on account of the new Pharmacopœia 650*l.* was spent on editors' salaries, 214*l.* on committee-fees and expenses, 10*l.* on sundries, and 159*l.* on printing and other expenses, leaving a cash deficit of 20*l.* It appears from the statement made by the Registrar that the forthcoming Pharmacopœia will be printed by Messrs. Butler & Tanner, who have printed the "Year-book of Pharmacy" since its commencement. No resolution was come to by the Executive Committee in regard to the date of publication, but it is expected that something will be determined at the meeting of the Council which begins on Tuesday, May 26. We understand that the work is nearing completion.

Radium in Therapeutics.

The "British Medical Journal" refers to the various efforts that are being made to obtain supplies of radium for public use. As custodians of these supplies the alternatives are the local hospital, or an institute specially organised for the purpose. At Hull the town's supply of radium is kept in a safe at the Town Hall and loaned to institutions or medical practitioners for the treatment of patients. It is supplied free for the treatment of any patient whose income, or that of his family, does not exceed 2*l.* a week, and a charge of 1*s.* is made for every £ or fraction of a £ over that income. The period of the loan is forty-eight hours, and a signed agreement is made between the borrowing practitioner and the Corporation, providing for indemnity in the event of damage or loss, and also for the furnishing of information as to the progress and result of the treatment. The Radium Institute of London, in the case of paying patients, charges two guineas consultation-fee, while the fees for treatment range from two to five guineas a sitting, according to the amount of radium employed and the nature of the case. The Radium Institute possesses 4 grams of radium bromide, and the question is discussed in the "British Medical Journal" as to whether it is advisable to set up institutes where the amount of radium available is only 200 mg. Experts differ on this point, and it is stated that the Berlin Institute started with 200 mg., and that the initial supply at the Cancer Hospital was 250 mg. Apart from the question of a special institute, it is pointed out, much good work can be done with smaller amounts than 200 mg., but that is a convenient figure for the reason that it permits a liberal choice of applicators. Half the amount,

or 1 decigram, for example, might be contained in a couple of sealed glass tubes for insertion in cavities and passages, each tube holding 50 mg., which is an amount frequently used in treating a case. Part of the remaining decigram could be held in varnish and spread on plaques of various sizes and shapes. The amount of radium salt per square centimetre of applicator is usually 3 mg. and upwards, and a score or more of such applicators may be desirable. It is also well to keep a quantity of radium free for the purpose of pumping off emanation; 25 mg. held in solution would ensure a constant supply, available for medical purposes and also for experiment. A considerable initial expenditure, and to some extent an annual charge for renewal, would be involved in the provision of filters, protective appliances, and measuring instruments. But the main annual charge upon an institute would be the salaries of the staff, and the constitution of the staff must necessarily depend upon local considerations, and upon the amount of radium with which it is possible to work. There remains the question as to whether it is advisable to purchase radium at the present very high price—about 20*l.* a milligram—but such considerations would probably not influence the public if it could be shown that radium has a definite value in treatment. Mr. Charles Ryall, F.R.C.S., Chairman of the Medical Committee of the Cancer Hospital, stated last week, at the annual meeting of the Governors, that radium is the most active substance he knows, and that it acts either by destroying the cancer cells or by retarding or preventing their growth.

The New Phase in Pharmacy.

In our issue of November 1, 1913, we reported the opening in London by a registered chemist of an Insurance Dispensary, which is devoted solely to dispensing Insurance prescriptions, ordinary retail trade not being undertaken. Others have since been started. Now we learn that a company is being formed, with capital of 3,000*l.*, whose objects are sufficiently expressed in the following statement:

"This company is in course of formation with the object of establishing dispensaries in populous districts of London and the provinces to fill the great and increasing popular demand for the proper handling of State Insurance prescriptions.

For obvious reasons, partly political, full details of the scheme cannot be given here, but the following facts and figures will show that the business of the company is likely to prove a highly lucrative undertaking:

Ten shops have been selected by an expert chemist who is thoroughly acquainted with the different districts in which the greatest volume of business can be done—that is to say, where great numbers of insured persons reside and are prescribed for by local medical men.

The total rental of the ten shops is approximately 600*l.*; rates, taxes, and lighting, 300*l.*; salaries and wages, 1,300*l.*; first stock of drugs, 50*l.* per shop, 500*l.*—making the total expenses for the first year 2,700*l.*

From information in our possession, we know that there are several pharmacists in London dispensing as many as 300 panel prescriptions per day; but for the purpose of this estimate we assume that each of the company's shops will dispense only 100 per day, which at the average price of 7*d.* per prescription shows a yearly turnover of 7,452*l.* 1*s.* 8*d.*

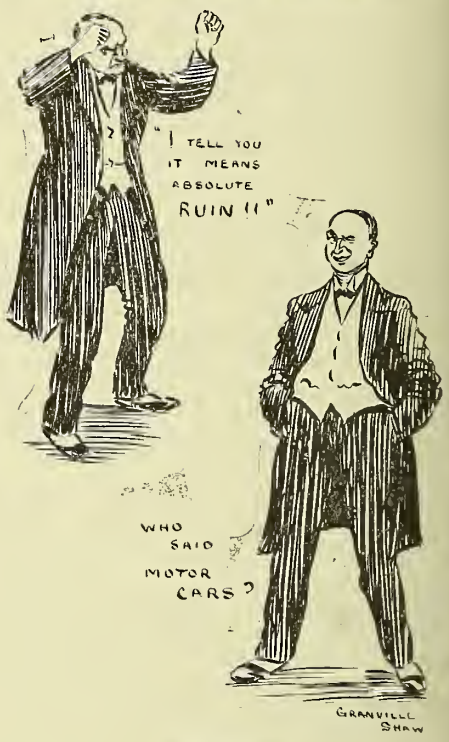
The profit as proved by actual results amounts to at least 50 per cent., which gives a total of 3,726*l.* 0*s.* 10*d.*, so that, after deducting the estimated yearly outlay, a net profit of over 1,000*l.* per annum will be earned, or sufficient to pay dividends of 33 per cent. on the authorised capital of the company. It will be seen that the above estimate is a conservative one, and it must be borne in mind that the company, having the State for its customer, makes no bad debts. After the first year both the turnover and the profits should be materially increased."

Comment upon this statement is neither called for nor necessary, except to say that the estimate of profit is rather hard upon "Jay Mack" and others who have so conclusively proved that they are doing Insurance dispensing at a loss or a miserable profit.

Insurance Act Dispensing.

A Weekly Record of events and decisions concerning Chemists' interests in Medical Benefit administration and practice.

Anticipation and Realisation.



The Doctor.

I.

"Much to the poor and sick you'll owe,
The 'noblest prof.' is fated;
Prog.: 'Mortis in articulo';
'Blue ruin' indicated."

II.

"This panel business leaves me sore;
Although I didn't ought'er,
I really must have, awful bore!
A Pan-de-Dion motor."

Vale!

A meeting of the Joint Pharmaceutical Standing Committee on Insurance was held at 17 Bloomsbury Square, London, on Tuesday, March 3. Mr. P. F. Rowsell presided, and there were also present Messrs. Edmund White, A. Hagon, J. B. Francis, E. S. Waring, J. Rutherford Hill, J. P. Gilmour, and W. J. Uglow Woolcock (Secretary). After confirmation of the minutes, the Secretary presented the balance-sheet, which was received and adopted, subject to audit. It was resolved that the Joint Standing Committee be dissolved, and a recommendation was made that the English and Welsh Standing Committees on Insurance should also be advised to dissolve, in view of the establishment of the Executive Committee of the Local Associations Conference. It was further resolved that the small balance in hand, together with the work now in progress in connection with the pricing and checking of prescriptions, be transferred to the Executive Committee, subject to their acceptance. Hearty votes of thanks were passed to the Chairman (Mr. Rowsell), to the Secretary (Mr. Woolcock), and to the Secretaries of the Scottish and Welsh Committees (Mr. Hill and Mr. Francis).

Notes.

The Sickness Benefit Claims Committee has been actively at work since its first meeting on October 15, 1913. Up to the present the Committee has held thirty-eight meetings, and has examined fifty witnesses.

Regulations have been issued regarding the Medical Research Committee, to administer the funds made available under the National Insurance Act for the purposes of research, and the Advisory Council of Research, Lord Moulton being Chairman of both.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Winter Session.

dfordshire.—The new panel consists of forty-four chists and three "contractors" for drugs and appliances. The Local Medical Committee for the county decided at its last meeting to accept the revised Drug Tariff, though of the opinion that certain items were considerably overcharged."

lton.—At the Insurance Committee's meeting on February 26, the Chairman (Alderman Cooper) stated that the total of chemists' accounts sent in during the medical year was 8,950*l.* The fund available to pay for these was 7,200*l.*, and 6,827*l.* had been paid, the balance being retained for the year's adjustment. Thus a balance of about 24 per cent. was still due. The prescriptions numbered 275,000 (or 3.7 per insured person), costing on an average about 7¾*d.* each, or about 2*s.* 4¾*d.* each person. The deficiency on the *per capita* estimate for drugs, etc., was accordingly 4¾*d.* after absorbing the floating sixpence. The name of Mr. J. G. P. Dyson, of Hewich, was added to the list of chemists. A request from the Medical and Pharmaceutical Committees to place certain standardised tinctures on Drug Tariff was approved. The arrangements with the checker for prescriptions were renewed until April 11, 1914. A request from Blackburn Committee to send representatives to a Conference on Drug-Bills was considered, and Councillor Knott, chemist and druggist, Vice-Chairman of the Insurance Committee, Councillor Birkbank, and the Clerk were deputed to attend.

urnemouth.—The number of prescriptions dispensed for temporary residents during the year ending January 11 was 189, costing 7*l.* 8*s.* 3*d.*

radford.—At a meeting of local pharmacists on February 26, Mr. C. Robinson, in reporting on the work of the Pharmaceutical Committee, stated that the Medical Committee had appointed a special sub-committee to deal with cases of over-prescribing. At the close of the medical year on January 11 the number of insured persons in Bradford was 128,164, while prescriptions dispensed during the year numbered 401,975, at an average of 7.9*d.* The deficit in the funds to pay for these is 917*l.* 13*s.*, and it is probable that the discounting of the fourth quarter's accounts would be 4 per cent., the average discount on the year being 8.5 per cent. In answer to Mr. R. W. Carson, who asked if there was any prospect of payment being completed in some way, Mr. Robinson said he had consulted Mr. Woolcock on that point, and did not get much hope in regard to the possibility of getting back payments. They were strongly advised to take the same course that the London chemists had done in regard to claiming 4 per cent. of the grant for Sanatorium treatment. He added that an important point was the increase in the average price per prescription: whereas in the first quarter the average price was 6.22*d.*, in the fourth quarter it jumped to 8.61*d.* Mr. Penty said that the doctors held that 8½*d.* was not excessive. Some specific cases of complaints of over-prescribing were mentioned, and the meeting ended.

ristol.—Considerable discussion concerning chemists' accounts arose out of the report of the Medical Benefit Sub-Committee to the Insurance Committee on March 2. This showed chemists' claims amounting to 12,799*l.* 9*s.* 4*d.*, and accounts as checked and passed 12,710*l.* 1*s.* The number of prescriptions and average cost were: First quarter, 105,793, 7.[illegible]*d.*; second quarter, 96,353, 7.90*d.*; third quarter, 87,197, 7.[illegible]*d.*; fourth quarter, 105,451, 8.03*d.*; total, 394,794, 7.78*d.* Comment was made on the increase in the average cost of the prescriptions, and it was contended that prescribing could be done efficiently at less than 8*d.* per prescription. Mr. Young, pharmacist, stated that the chemists had recently sent in bills for 1,800*l.*, and the Committee only possessed 900*l.* to meet the account. Bristol was by no means singular in finding its drug-bill heavier than was anticipated. It was not due to the fact that the cost of prescriptions was too high, though he agreed that an efficient service could be given for less than 8*d.* per prescription. He was rather in hope that it might go down to 6*d.* or 6½*d.* He had found that in big industrial centres, where there was a large amount of female labour, the drug-bill was high. Heavy calls on the Drug Fund showed where people were poorly paid and ill-fed and were never really very fit. At Devonport, where there were picked men at the Government dockyard—men well paid and well fed—the drug-money was sufficient. In Plymouth there were a lot of clothing factories with low-paid labour, and there the Fund was overspent 25 per cent. Conditions at Cardiff were somewhat similar. Manchester was 25 per cent. deficient, and in practically all the industrial towns of Lancashire the money was short. In the counties the money held out—for one reason, the doctor lived further off. (Laughter.)

Cornwall.—The Insurance Committee met at Truro on Wednesday, February 25, when it was reported that the chemists had been paid 1,199*l.* 5*s.* 8*d.* for accounts from November 1 to January 11, 25 per cent of the amount due for the last six weeks of that period having been retained pending checking. During the current year accounts sent before the 10th of each month will be paid during the next week in full as regards the first and second months in each quarter, but 25 per cent. of the third month's accounts will be kept in hand until they have been checked. The Clerk reported that the Pharmaceutical Committee had elected Mr. W. T. Hall as Secretary and appointed Messrs. Cannon, Hall, and Wood as members of the Pharmaceutical Service Sub-Committee. The Clerk also reported the receipt of a joint request from both the Panel and Pharmaceutical Committees for administrative expenses. This was approved and ordered to be forwarded to the Commissioners for their sanction. A list of proprietary articles which are not to be supplied as part of Medical Benefit was brought forward on the recommendation of a joint committee of doctors and pharmacists, and approved of. This is on similar lines to that adopted in Devon.

Derbyshire.—The sum paid to the panel chemists last year amounted to 8,501*l.* 6*s.* 2*d.*, an average of 69*l.* 13*s.* 8*d.*

Devon.—The Insurance Committee met at Exeter on February 28. The report of the Sanatorium and Medical Benefits Sub-Committee was presented by Mr. P. F. Rowsell, and showed that 177 pharmacists were now on the chemists' list, as compared with 176 pharmacists during the last year. The drug-bills for the year 1913 had been paid in full, the total number of prescriptions being 207,329. The Finance Committee reported the following payments from the Drug Fund: To November 6, 1913, 5,851*l.* 0*s.* 11*d.*; from November 6, 1913, to February 14, 1914, 2,120*l.* 8*s.* 4*d.*; total, 7,971*l.* 9*s.* 3*d.* A further 6*l.* 3*s.* 10*d.* had been charged to the Sanatorium Benefit Fund for drugs and appliances.

Essex.—A statement, based upon the provisional credits for the medical year ended January 11, to be presented at the next meeting of the Insurance Committee on March 17, shows that the Drug Fund amounts approximately to 21,750*l.*, and the Drug Suspense Fund to 7,250*l.*—together a total of 29,000*l.* Of this, practitioners claim 4,200*l.* (say, 56,000 insured persons at 1*s.* 6*d.* per head) and chemists 21,591*l.* (234,000 insured persons at 1*s.* 10*d.* per head), leaving 3,209*l.* (2.6*d.* per head of 290,000 insured persons) remaining in the Drug Suspense Fund as balance for practitioners. It is anticipated that the total amounts as finally settled will be somewhat higher than the sums provisionally credited. The chemists' claims for each quarter were:

Quarter ended.	Prescriptions.	Claims as Corrected. £ s. d.	Amount Provisionally Paid. £ s. d.	Average Cost per Prescription. d.
April 14, 1913 ...	205,926	5,632 1 7	5,625 10 5	6.7
July 14, 1913 ...	169,157	4,965 0 10	4,957 15 11	6.8
October 14, 1913 ...	160,087	4,784 9 7½	4,752 7 9	7.1
January 11, 1914 ...	197,225	6,209 8 3	not complete	7.25
	732,405	21,591 0 3½	—	—

The adjustments made for the Insurance Committee were confined in the first two quarters to disallowance of unscheduled appliances and preparations such as food and wines, etc. In the third and fourth quarters overcharges and undercharges were corrected. The completion of the fourth quarter's accounts was delayed by some chemists not sending in prescriptions, one batch of 5,000 being received on February 24. So far as is known, all the prescriptions for the last quarter have now been received. Chemists have received approximately 90 per cent. of their claims, and the remainder will, at latest, be in their hands by March 18 or 19—*i.e.*, directly after the Insurance Committee has passed payment.—The Pharmaceutical Committee met on February 26, all the members being present except one. This Committee accepted the above accounts as correct. A resolution from the Panel Committee, asking that panel doctors doing their own dispensing should be paid full capitation-fee for all insured persons on their list, was also agreed to, with the substitution for "capitation" of "the full amount available under Medical Benefit Regulation 47 of 1912." The Pharmaceutical Committee further resolved that notice of any resolution should be forwarded to the Secretary in time to incorporate in the agenda, so that members might have time to consider such resolution before meeting. A special sub-committee, consisting of Messrs. Bevan, England, and Slater, was appointed to confer with the Clerk of the Insurance Committee for further information as to allocation of insured persons in rural areas. They will report at the next meeting. The complaint made by the Insurance Committee of the lateness in sending in prescriptions and accounts was dealt with. The Pharmaceutical Committee has communicated to the Insur-

ance Committee its decision as regards how dilatory chemists may be speeded up. The following resolution, passed by the County of Essex Association of Pharmacists on February 18, has been forwarded to the Insurance Committee:

That this meeting considers that pharmacists should be represented upon the Medical Benefit Sub-Committee, and urges upon the Essex County Insurance Committee the desirability of the election of Mr. C. Goode to the sub-committee at the earliest opportunity, and again draws the attention of the Essex Insurance Committee to the inadequate representation of the pharmacists upon that body, and requests that at least one other pharmacist should be added as opportunity offers.

Glasgow.—A conference between the Glasgow Pharmaceutical and Panel Committees was held on February 18, when a discussion took place on a number of points of mutual interest, which were all amicably settled. Both Committees agreed to ask for their full share of the funds available for administration expenses, and to return to the respective funds at the end of the year any unexpended balance. "Repeats" proved a rather more difficult subject, but a timely suggestion from the pharmacists that a "repeat" should only be valid during the financial month in which the original was written was accepted by the doctors, and has since been agreed to by the Insurance Committee. The month is likely to be altered to the proper calendar month to suit this arrangement. It was agreed, in regard to emergency drugs and appliances for surgery use, that no difficulty had been experienced in Glasgow, although no list had been published, and it was decided to continue the arrangement. Tuberculins, serums, phylacogens, etc., are to be excluded entirely, on the ground that such articles had not been contemplated by the framers of the Tariff. The resolution on proprietary articles reads: "That no proprietary preparation or branded article be prescribed where another non-proprietary preparation or unbranded article of equal therapeutic value exists."—A meeting of the Pharmaceutical Committee was held on February 27, when a sub-committee was appointed to collect statistics which might be useful for the preparation of a case in favour of increased remuneration for pharmacists. A sub-committee to examine the accounts for the past year was also appointed. The number of insured persons in the burgh area is not yet ascertained, but on October 15 there were, in round figures, 390,000. This would give a "mean" number of some 387,500, and an available Drug Fund of 29,062*l*. The total amount of chemists' accounts for the year is 27,522*l*. 16*s*. 11*d*., showing an apparent distributable bonus of 1,500*l*. Owing to the inoperation of "Domiciliary treatment," the Drug Fund has suffered a heavy drain, and the Pharmaceutical Committee is taking steps to have this remedied.

Hertfordshire.—Payments to panel practitioners for dispensing in rural areas amounted to 579*l*. 9*s*. 9*d*. during the quarter ended January 11.

Hull. During the past medical year 248,549 Insurance prescriptions were dispensed by chemists at a cost of 8,363*l*. 13*s*. 3*d*., the Drug and Suspense Funds more than covering this.

Isle of Wight.—At the Insurance Committee's meeting on February 21 particulars were asked for of the account of Mr. T. W. Saunders for checking 14,249 prescriptions, and whether Mr. Saunders was a public official. In reply, it was stated that the Committee found it necessary to have the checking done by a skilled man. Mr. Saunders had been employed at a certain rate per hundred, and had done his work very well.

Kent.—The Insurance Committee on February 25 sanctioned payments to chemists in respect of the fourth quarter amounting to 3,518*l*. 5*s*. 11*d*. Mr. J. Harcombe Cuff, Mr. J. E. French, and Mr. A. E. Hobbs have been appointed chemists' representatives on the Pharmaceutical Service Sub-Committee, and Mr. J. E. French Secretary of the Pharmaceutical Committee.

Kirkcaldy.—Messrs. Adamson, Low, and McLaren have been appointed members of the Pharmaceutical Service Sub-Committee of the Insurance Committee. At a meeting of the latter last week the Clerk submitted a return of the drugs and appliances supplied during the past year. The prescriptions ran from ½*d*. to 12*s*., the total number of forms being 40,148. There are 15,037 insured persons in the burgh.

Manchester.—A Manchester medical man on the panel, in a letter to the Press, attacks Manchester chemists, whom he accuses of making an unfair attack on doctors in regard to the payment of accounts and over-prescribing, thereby rendering the doctors' statements open to ridicule. He goes on to state that the chemists have posed as "a band of simple-minded philanthropists defrauded by the rascally doctors, who meanwhile are getting all they want and are growing fat on the proceeds of the crime"; then proceeds to say that "the simple-minded chemist" charges one penny for water and a twopenny dispensing-fee for every bottle of medicine he makes up, so that each bottle costs threepence before a single drug is put in. The Tariff for drugs, he says, is absurdly high; "no item in any prescription, however small, is less than a halfpenny." He tries to make out that the doctors are worse off than the chemists. He ends up by saying that during the present year it is probable that the chemists will be paid in full. But what of the past year! is the whole cry of the Manchester chemists.

[We reckon that it would take the whole of the literary pages of this issue of the *C. & D.* to hold the correspondence on this topic that has appeared in Manchester papers since our last issue. Chemists are once more taking an active part in the correspondence, thus keeping it alive, and making themselves useful in the attack upon the Act and upon the regulation method of administering Medical Benefit. The latter is exemplified in the following significant statement by Dr. Stanley Hodgson (member of the English and Joint Advisory Committees, National Health Insurance Commission):

"The chemists' . . Tariff was very carefully thought out, and was framed with a view to the complete absorption by the chemists of the 'floating sixpence,' that sixpence which in Salford alone represents, roughly, 2,000*l*. Having once established the Tariff for their own purposes, they next proceeded to give to this document sacred rights; it is sacrosanct, above criticism and beyond amendment. And the general public so far has been to believe that in demanding payment on the scale set forth in the Tariff the chemists are asking merely for elementary justice. What I want to urge is the undoubted fact that the Tariff allows of enormous profits."

Mr. Hodgson suggests a very radical investigation into the prices fixed in the Tariff, and an adoption of $\frac{1}{10}$*d*., instead of ½*d*., as the unit for purposes of estimation. "A Chemist" replied. Mr. Walter Davies (Chairman of the Manchester Insurance Committee) frankly told a "Manchester Guardian" representative that "it is most unwise for the chemists at this juncture to start an agitation in the Press." It may also be noted that the Trade Union Approved Societies Association, at their meeting in Manchester on Monday, passed a resolution in favour of a complete State Medical Service under the Act.]

Merionethshire.—At the monthly meeting of the Insurance Committee at Dolgelly on February 26, the Treasurer (Mr. Richard Barnett) reported that the chemists' accounts for the year ending January 12 totalled 873*l*. 13*s*. 3*d*. Of this 554*l*. 19*s*. 11*d*. was paid on account, leaving 318*l*. 3*s*. 4*d*. still due. There were 11,500 insured persons in the county, and there is available from the Drug Fund 401*l*. 14*s*. and from the Suspense Drug Fund 133*l*. 11*s*. 4*d*., thus showing 338*l*. 7*s*. 11*d*. less than the total of the chemists' claims. It was resolved to forward a statement of accounts to the Welsh Commissioners, with a request that a member thereof should go to Dolgelly and discuss the matter with the Committee.

Middlesex.—At the meeting of the Insurance Committee on March 2, it was decided not to allow the medical officer of the Metropolitan Asylums Board to receive payment for drugs supplied through that institution, but to inform the Board that insured persons on the Board's staff in Middlesex will be allowed, on application, to make their "own arrangements" for medical treatment and the supply of drugs and appliances. The General Purposes Committee reported that a meeting had taken place between representatives of the Insurance, Panel, and Pharmaceutical Committees to discuss the method to be adopted for checking prescriptions. The Panel and Pharmaceutical Committees had suggested that the cost of checking the prescriptions should be borne in equal shares by the three Committees, the estimated cost being about 750*l*. per annum. The Sub-Committee considered that it would not be wise at present to make a permanent arrangement, and advised the Committee to agree to the proposal for one year, provided that the Committee's contribution is limited to 250*l*. The following recommendations were adopted:

That the Committee contribute one-third (not exceeding the sum of 250*l*.) of the cost of checking the chemists' prescriptions during the current medical year, subject to the checking being carried out by a joint committee to consist of six persons, two being appointed by the Panel Committee, the Pharmaceutical Committee, and this Committee respectively.

That the payment of such of the chemists' accounts as may be certified as correct by the Joint Committee be and is hereby authorised.

The members of the Joint Committee are Messrs. A. E. Bailey and H. Skinner (Pharmaceutical Committee), Drs. Burton and Shanks (Panel Committee), and Messrs. F. W. Eaton and W. W. Kelland (Joint Committee). Mr. G. Marlow-Reed asked, in connection with this matter, if there was any machinery by which the quality of drugs could be supervised. He had been credibly informed that certain chemists did not supply drugs of standards equal to those supplied by others. Mr. W. W. Kelland (Chairman of the General Purposes Committee) said that, of course, the

ality of drugs was being tested. He would have thought t Mr. Reed, as a member of the Public Health Com- tee of the County Council, would know about it. Mr. ed replied that he did not suppose one-tenth of the cases re discovered by the County Council. Mr. Clench asked it were not the case that the Public Health Committee s co-operating with the Insurance Committee with a view overcoming the legal difficulties regarding sampling urance drugs which were not sold over the counter. e Chairman (Mr. W. S. Glyn-Jones, M.P.) remarked that did not usually announce action of this kind before- nd, but it was true that such arrangements were being de. Mr. Glyn-Jones added that Regulation 46 powered the Pharmaceutical Sub-Committee to deal with b complaints. A chemist who offended in the matter of quality of drugs was not only liable to prosecution der the Sale of Food and Drugs Act, but to be struck off panel. The accounts passed for payment included 9*l.* the Pharmaceutical Standing Committee for 1,250 copies Tariff charges.

Normanton.—The District Insurance Committee, on the ommendation of the West Riding Insurance Committee, decided that insured persons living at Altofts, Whit- od, Whitwood Mere, and Glass Houghton should have ir medicines dispensed by their panel doctors, "on ount of the inadequacy of proper communication between ir houses and fully qualified chemists."

Nottingham.—The Insurance Committee has paid one- lf of the outstanding balance on last year's chemists' ounts; this makes nearly nine-tenths of the year's amount d. The Committee will make no further payment until exact amount of the Drug Fund for the year is ascer- ned. The Committee intimate that the Commissioners ve formally approved the revised Tariff, with the excep- n of the charge for copying, which is unnecessary, as plicate scrips are now supplied.

Portsmouth.—The question of using tap-water or distilled ter in Insurance prescriptions came before the Insurance mmittee on February 26, Mr. Dawes, in introducing the ort of the Finance Sub-Committee, explaining that a olution on the subject was carried only on the casting e of the Chairman. Alderman F. G. Foster, chemist d druggist, said that the chemists had made every effort come to an understanding with the doctors, but had met h rebuff. Dr. Bosworth Wright took exception to the derman reading a circular letter which had been sent to panel doctors, as it could only have been obtained by alth. Alderman Foster: That is an absolute and de- erate falsehood. Continuing, the Alderman said it was in the interests of the insured persons that the doctors d taken the attitude they had. In the British Pharma- opœia distilled water is always ordered. He produced tles containing samples of a drug dispensed with dis- led water and with tap-water respectively in order to ow the superiority of distilled water. Dr. Bosworth right said that the doctors had been misrepresented, and only reason that they did not meet the chemists was t they thought the matter had been settled over their ds by the Commissioners. The matter was referred to Joint Services Sub-Committee.—The new list of chemists d contractors is about to be issued. It contains the names thirty-nine pharmacists, one limited company, one surgical- trument maker, and one dispenser to an institution. The irs of supply agreed upon are from 8.30 A.M. till 9 P.M., cept on the Wednesday half-holiday (1 P.M.) and on Sun- ys and Bank holidays (7 till 8.30 P.M.).

Sheffield.—Payments to chemists for the month ending bruary 11 amount to 1,300*l.* 9*s.* 6*d.*, being 75 per cent. accounts rendered. Some delay has occurred in sending the new Tariff for 1914-15. This has now been approved the Insurance Commissioners, and chemists may expect ir copies within the next few days, along with the new nel list and their sealed agreements.—At the last meet- of the Pharmaceutical Committee it was decided to ask Insurance Committee to issue to the panel chemists a of Tariff charges for the newly scheduled appliances, also payment for elastic-web bandages disallowed under old Tariff, and for an emulsion-fee on cod-liver oil ulsion. The Secretary stated that he had been informed, answer to his letter, that the Insurance Committee would y the balance due to chemists as soon as possible after completion of checking and the receipt from the Com- ssioners of the amount available for the purpose. In swer to the Medical Benefit Sub-Committee, who asked opinion of the Pharmaceutical Committee regarding nel practitioners holding a stock of dressings, it was olved: "That the official checker be instructed to call attention of the Medical Benefit Sub-Committee to any nel doctor ordering, in his opinion, an excessive quantity dressings." In regard to a second question whether a practitioner should be allowed to use a private formulary, it was decided to adhere to a previous letter of protest sent to the Medical Benefit Sub-Committee pointing out that such an arrangement prevented free choice of chemist. Various other matters were entrusted to a small sub-committee.—At the last meeting of the local Pharmaceutical and Chemical Society a number of questions were raised dealing with proprietary articles ordered by panel doctors. Much uncertainty existed as to whether such articles would be paid for by the Insurance Committee. It was felt such matters should not be left to the discretion of the official checker.—A section of the medical profession having been under the impression that a charge could be made to insured patients for medicine if requested by the patients to supply, their attention has been drawn to the irregularity of such procedure, and they have ceased to take such payments.

Sussex.—At a meeting of the East Sussex Pharmaceutical Committee at Lewes on February 26, three complaints were considered from chemists not receiving their fair share of Insurance dispensing. The Committee was instructed to compile prices of drugs and articles required for Sanatorium (domiciliary) patients, to form a separate Tariff.—At the meeting of the East Sussex Insurance Committee on March 3, the Medical Benefit Sub-Committee reported that the checking of the chemists' accounts for the quarter ended October 14, 1913, had been completed by the Pharmaceutical Standing Committee. Accounts as delivered were for 23,207 prescriptions, value 715*l.* 4*s.* 1*d.*, and as checked for 23,193 prescriptions, value 710*l.* 2*s.* 8*d.* It had been decided to inform the Insurance Commissioners that "in the opinion of the Committee, having regard to the numerous interests to be consulted, and the complicated questions involved, not less than three months' notice should be given of any revision of the regulations involving a change in the Drug Tariff." Mr. Godwin King observed that they did not seem to have gained very much by checking chemists' accounts, and in future it was proposed to go through them at random, or by selection if they had any reason to suppose any of them particularly wanted checking. Mr. W. Green said such a proposal sacrificed efficiency for economy. The report was adopted.

West Riding.—At the meeting of the West Riding Insurance Committee on February 26 the following statement was presented: Number of prescriptions received, 1,138,494 (amount due to chemists in respect of these, 31,900*l.*); amount due to doctors for emergency dispensing, 240*l.*; average number of insured persons dispensed for by doctors, 128,897, and by chemists, 393,000; average number of prescriptions per insured person, 2.9; average cost per prescription, 6.8*d.*, and per insured person, 1*s.* 7¾*d.* Amount of prescription surcharges deducted from chemists' accounts, 460*l.* Number of chemists on panel for dispensing: 1913, 302; 1914, 318. Number of contractors for supply of appliances, etc.: 1913, 35; 1914, 24. Total number of shops available: 1913, 432; 1914, 452. It was decided to pay 90 per cent. of the accounts for the month ending January 11, and to pay all balances previously retained. The Insurance Committee is inquiring from Drs. Empey and Ward, in the Crosshills district, what moneys they have received from their insured patients, and has asked them to repay such moneys to the patients or to the Committee.

Worcestershire.—The Insurance Committee on February 28 received a report relating to the chemists' charges from a special sub-committee of members of the Insurance Committee, doctors, and of the Pharmaceutical Committee (Messrs. H. J. Aubrey, A. E. Coverdale, and D. G. Pout, Worcester). In regard to the proposal of a copying-fee of 1*d.*, the Committee resolved to supply envelopes for chemists to give patients the duplicates of their prescription for production to doctors on subsequent visits. Only in cases where a patient fails to produce his copy of the original prescription when a "repeat" is ordered will the penny fee be allowed for searching and obtaining the original. The Special Committee resolved not to recommend a minimum price per prescription, as the Insurance Commissioners had intimated that they were not prepared to approve such an arrangement. A recommendation that a double dispensing-fee be allowed on prescriptions marked "Urgent" dispensed between 9.30 P.M. and 8 A.M. was adopted, and the revised Drug Tariff approved with the above amendments. The proposal that a County Pharmacopœia be adopted had been before the Sub-Committee, but consideration of this matter was deferred. The Committee refused the application of Peat Products (Sphagnol), Ltd., for their preparations to be supplied under Medical Benefit. This recommendation was approved.

At the first meeting of the Executive Committee of Local Associations on Wednesday, Mr. E. White was elected Chairman. The Committee will report to the Pharmaceutical Council.

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FESTIVITIES.

Dinners.

At the Victoria Hotel, Nottingham, last week, Sir Jesse Boot entertained to dinner two hundred managers and heads of departments from Nottingham, Sheffield, and district. He was supported by Mr. John C. Boot, Dr. Bowis, and Messrs. Milne, Waring, W. T. Aspden, Tonkin, Harvey, and Bedford. Sir Jesse addressed his guests on the good feeling which exists between the directors and staff generally, and added that he is in better health than he had been for some years past. Mr. John C. Boot also spoke briefly, and the remainder of the evening was given up to music, the artists being Messrs. Keywood, Harrison-Hill, and Butterworth.

The thirty-seventh annual dinner of the Chemists' Assistants' Association is to be held in the King's Hall, Holborn Restaurant, on April 2. Tickets (5*s*. 6*d*. each) can be obtained from the Dinner Secretary, Mr. A. R. Arrowsmith, 4 Stratford Place, London, W. Most of the present generation of assistants were not born when the first dinner was held, yet among their predecessors are a number of men who have distinguished themselves in pharmacy and other walks of life, and at least one has attained a high place in politics with a knighthood. Mr. A. R. Arrowsmith informs us that an exceedingly attractive programme is in preparation, and it is anticipated that the function will prove a record. Mr. Crossley-Holland, the President, will be in the chair, and will be supported by a number of distinguished pharmacists.

The members of the Kesteven (Lincs) Pharmacists' Association met at Grantham on Thursday, February 26, for their first annual dinner. The attendance was representative. Mr. T. S. Prior (Stamford) presided, and Dr. C. Frier, Dr. J. A. Macdonald, Messrs. F. A. Rogers (London), D. H. Donaldson (Clerk to the Insurance Committee), C. F. Mote (Harrogate), and H. Miller (Cheltenham) supported him. Mr. Miller, in submitting "The Town and Trade of Kesteven," said pharmacists realised that the public requires service, and they were endeavouring to cater for it. He believed pharmacists would soon refuse to sell their services to the multiple shop, and soon the latter would have to leave that branch of the trade out of their business. Mr. W. Spyvee (Sleaford) submitted "The Pharmaceutical Benevolent Fund," and a collection was made for it, which realised nearly 3*l*. In proposing "The Pharmaceutical Society," Mr. F. C. Carr (Nottingham) observed that the future of pharmacy lies greatly in the hands of local Associations. The Chairman, in reply, said pharmacists are working the Insurance Act for the best interests of the community. Up to the present it had not been much to the interests of the chemists, for when they had to dispense a prescription for the price they paid a shoe-black things were rather in a poor way. (Loud laughter.) Other toasts were given during the evening, which was spent under the pleasantest conditions.

Social Evening.

Mr. H. Hickey presided at the annual supper and concert of the "P. D." Cricket and Swimming Clubs connected with the staff of Messrs. Parke, Davis & Co. at the Norfolk Square Hotel, Paddington, W., on Saturday, February 28. Messrs. Cole, Southerton, Blackmore, Manning, Coltman, Mertling, Gibbs, Elmore, Lane, Davy, J. S. White, W. D. Astill, and Lamb contributed to the musical programme. The toast of "The President (Mr. F. M. Fisk) and Patrons (Messrs. Parke, Davis & Co.)" was proposed by Mr. W. D. Astill, and the Chairman gave "The Clubs," which was replied to by Messrs. H. Phippard and C. E. MacMillan (Secretaries), other toasts following. During the evening two medals were presented to Mr. H. A. Murray, he having won the Championship Shield of the Swimming Club twice in succession.

A Daisy Celebration.

The coming-of-age of Mr. John Edwin Ellis, eldest son of the late Mr. John Robert Ellis (founder of "Daisy"), was celebrated on Saturday, February 21, when about one hundred and thirty of the employés were entertained by the governing director (Mrs. O. Jones). The Rev. Owen Jones welcomed the guests, and announced that Mr. Ellis had that day been appointed a director of the company. Mr. John Lawson (manager) presented to Mr. Ellis, on behalf of the employés, a gold watch, suitably inscribed, Mr. J. A. Haigh (travelling staff) and Mr. Walter Boddy (printing department) supporting him. Mr. Ellis, in the course, of his reply, expressed the hope that the good feeling which had always existed between the directors and employés might long continue. Mr. John Wormald (Chairman) and Mr. Walter Atkinson (auditor) also spoke, and in acknowledging the compliments, Mrs. Jones said that although she did not often visit the works, she knew that she had some good friends among the employés, who were loyally looking after the interests of the business. She was thankful for the great and ever-widening reputation of "Daisy," and the increasing prosperity of the business. The directors (she added) are considering, and hope to introduce shortly, a scheme whereby it is hoped to give all the employés a greater interest in the profits of the business. Mr. John Lawson thanked Mrs. Jones. An excellent musical programme was rendered by Mr. Andrew Withy (office staff), assisted by Miss Amy Ellis, Miss Annie Boddy, Mrs. Withy, Mr. Clifford Jessop, and others.

British Brush Manufacturers' Association.

The annual general meeting of this Association was held at the Holborn Restaurant on February 26, when Mr. Ernest N. Kent (G. B. Kent & Sons, Ltd.) was re-elected President for the seventh time, and the various officers were appointed for 1914. Among the questions discussed was that of unfair competition on the part of Blind Institutions, some of whom were reported to be employing sighted labour and selling goods at less than cost of the material used, relying upon charitable subscriptions to make good the trading deficit. It was suggested that the Blind Institutions should be approached in order to see whether they would not co-operate with the Association to bring about fair conditions of competition. Members were asked to send in particulars to the Secretary of cases where Blind Institutions are found to be taking unfair advantages. The sudden death of Mr. A. L. Burrow (David Burrow & Sons, Leeds), a Vice-President of the Association, was reported, and a vote of condolence with his widow and family was passed.—In the evening the members dined together in the Holborn Restaurant, Mr. Ernest N. Kent in the chair. Between seventy and eighty members sat down, among those present being the Vice-President (Mr. R. W. Chase), Hon. Treasurer (Mr. C. Hamilton Watkins), Secretary (Mr. T. Marson Till), and the following members of the Council: Messrs. B. W. Baggs, W. E. Clark, W. A. Greenslade, Arthur Mason, E. H. Matthew, John Palmer, C. P. Titmas, G. Tyrie, A. H. Varian, F. W. Ward, T. W. West, and H. W. West. Alderman H. Wilde, J.P. (Mayor of Oldham), in proposing "The British Brush Manufacturers' Association, Council, and Officers," said they were greatly indebted to the members of the Council for the inception of the Association, as a result of which they had been enabled to raise the status of the brush-trade to a much higher plane. The Alderman alluded to the benefits to be derived from the Association, these including, *inter alia*, the enjoyable social occasions when members of the trade are brought into closer contact with each other, whereby ideas are exchanged and notes compared. This has been quite an education in itself. In regard to the work accomplished, the Alderman said that one good effect is that people who supply goods on contract have now to be more careful of the prices they quote, and the Association sees that they keep up to the mark in regard to the quality of the goods tendered for. There is less possibility of "cutting" prices owing to the sharp eyes of the Association's inspectors, the result being beneficial not only to the brush-makers, but to the public, who receive the article as represented and what they expect to get. Alderman Wilde, in concluding, expressed his regret at the death of Mr. Burrow, whom he described as one of their most highly esteemed and honoured members. Mr. C. Hamilton Watkins, in reply, also paid a tribute to Mr. Burrow. Regarding the Association, he remarked that besides raising the status of the trade, the members are also united in their efforts to raise prices, and would like to show how excellently they could execute contracts at remunerative rates. Mr. T. Marson Till also replied. The toast of "The President and Chairman" was submitted by Mr. F. Ward, and replied to by the Chairman. The concluding toast was that of "The Visitors," proposed by Mr. Arthur Mason and replied to by Mr. A. L. Howard. An excellent musical programme was gone through during the evening.

Mr. E. N. Kent.

WINTER SESSION

of Meetings of Trade Associations.

thers are reported under "Insurance Act Dispensing" when the subjects pertain chiefly to that Section.

District Meeting at Plymouth.—The Pharmaceutical Society's eleventh district meeting of the present series took place at Goodbody's Café, Bedford Street, Plymouth, on February 25. Mr. P. F. Rowsell, J.P., F.C.S., occupied the chair, and the official speakers were Mr. C. B. Allen and the Secretary (Mr. Woolcock). About sixty pharmacists from various parts of Devon and Cornwall were present, including the leading members of the local Association and representatives from Ashburton, Barnstaple, Bovey Tracey, Dartmouth, Dartmoor, Exeter, Newton Abbot, Newquay, Ilfracombe, Saltash, Torquay, Totnes, and Yelverton. After introductory remarks by the Chairman, who reviewed the work of the Pharmaceutical Standing Committee on Insurance, Mr. Allen gave a *résumé* of the recent policy of the Council in connection with the advancement of the public status of pharmacists. Mr. Woolcock also furnished much appreciated information and replied to a number of pertinent questions bearing on local pharmaceutical difficulties. Altogether the meeting was one of the most satisfactory gatherings held by the Society in the West of England for many years.

Association of Women Pharmacists.—Miss Buchanan presided at the adjourned monthly meeting held at Gordon Hall, Gordon Square, London, on March 3. Miss Wardle read a paper entitled "A Holiday in Sark," and Miss Gliatt gave a graphic and interesting account of a walking tour in the Austrian Tyrol by her sister and herself without a guide. Both papers gave much pleasure to the members.

Bournemouth.—A meeting of the Bournemouth Pharmaceutical Association was held at Gervis Hall on February 27. Mr. Wallace Curtis was in the chair, and there were also present sixteen members and Mr. J. A. Scampton (Hon. Secretary). Mr. A. C. Coles was elected a member. It was agreed to support the Weekly Rest Day Bill. Mr. Ison reported on the Local Associations Conference held on January 21. The attention of panel pharmacists was drawn to the necessity of sending all Insurance accounts in by the dates given by the Clerk. The President announced that a paper on "Vaccines" by Dr. Facey was promised for the next meeting. It was decided to hold the annual twist-drive on April 22.

Bradford.—The annual meeting of the Bradford Pharmacists' Association was held at the rooms of the Bradford Chamber of Trade on February 26. The President (Mr. M. Firth) occupied the chair, and there was present a large gathering of the members. The Secretary (Mr. F. E. Burdett) presented the annual report, which was unanimously approved. The annual financial statement, which showed that the credit balance of the Association is 8*l.* 12*s.* 0½*d.*, was also approved. The following officers were elected for the ensuing year: *President*, Mr. R. T. Silson; *Vice-Presidents*, Messrs. F. E. Burdett and C. Mackay; *Treasurer*, Mr. W. I. Jolly; *Hon. Secretary*, Mr. C. Robinson; *Committee*, Messrs. Marmaduke Firth, W. Sutcliffe, and R. W. Carson (for two years), and F. Bailes (for one year). A vote of condolence was passed with the family of the late Mr. Robert Stephenson. Mr. Harold Sowden, 262 Wakefield Road, Bradford, was elected a member.

Cambridge.—A meeting of the "Junior" Pharmaceutical Association was held on Friday, February 27, Mr. Bryant in the chair. Mr. T. J. Mallett opened a discussion on *Compulsory Practical Training during Apprenticeship versus the Proposed Compulsory Curriculum.* Putting his views briefly, he advocated that, upon production of a certificate of having served a three-years' apprenticeship as a pharmacist and performed the amount of practical work as outlined in Mr. E. S. Peck's paper to the British Pharmaceutical Conference in 1912, he should be excused practical pharmacy, dispensing, prescription-reading, and biology in the Minor examination. The Pharmaceutical Council should be pressed to form a special Educational Committee to consider this question, and, if necessary, to frame a by-law. This scheme could be worked through the local Associations in co-operation with headquarters, and would bring about a better state of things and better-trained men than at present. Mr. Mallett preferred a by-law to legislation, which he would avoid like a plague. He was disappointed that the text of the Assistants to Pharmacists Bill had not been published. This new legislation must be carefully watched, and unless provision were inserted to include junior pharmacists it would have to be opposed. A lengthy discussion followed, and at a late hour it was decided to adjourn it for a fortnight.

Cheltenham.—Mr. T. P. Palmer presided at a good meeting of the local Association on February 26, and in a presidential address dealt with the gradual evolution of the present-day chemist and druggist or pharmacist. A discussion was also held on the necessity for a new edition of the "Cheltenham Formulary."

Edinburgh Assistants.—A meeting of the Edinburgh Chemists', Assistants', and Apprentices' Association was held at 36 York Place, Edinburgh, on February 25, Mr. Henry Stout (President) in the chair. Mr. B. M. Brander read a paper on *Cultivation of Drugs in Britain*, which consisted of an account of the materia-medica farms at Dartford, where special drugs are grown by Messrs. Burroughs Wellcome & Co. The lecture was illustrated by lantern-slides. The problems which presented themselves at Dartford were as follows: (1) What medicinal crops, indigenous or otherwise, can be grown on the various types of soil around Dartford; (2) the breeding and selection of strains best suited to the locality; (3) the influence of manurial agents upon the plants, particularly as regards yield of active ingredient; (4) the effect of weather conditions and climate upon the crops and upon the amount of active ingredient; (5) the period in the life-history of the plants at which the maximum activity is established; (6) the importance or otherwise of harvesting rapidly. After giving particulars of the results of cultivation on the activity of plants, Mr. Brander summarised the benefits derived from the cultivation of medicinal plants at the Dartford farm as follows: (1) A drug may be treated or worked up immediately it has been collected; (2) herbs may be dried, if necessary, directly they are cut, before fermentation and other deteriorative changes have set in; (3) there is freedom from caprice on the part of collectors, who, in gathing herbs, are very difficult to control in the matter of adulteration, both accidental and intentional; (4) the ability to select and cultivate that particular strain of a plant which has been found by chemical and physiological tests to be the most active, and which gives the most satisfactory preparations. The next communication was by Mr. A. A. W. Cuthbertson on *Indicators.* The lecturer described the production, the constitution, and properties of litmus, phenolphthalein, and methyl orange, and the paper was illustrated by a series of practical demonstrations. Votes of thanks were given to the lecturers and to Messrs. Burroughs Wellcome & Co. The Chairman exhibited a specimen of the ivory nut, the seed of *Phytelephas macrocarpa.*

Hampshire.—Mr. F. E. Bilson presided at a meeting of the Hants County Pharmacists' Association at Basingstoke on February 26, Mr. A. E. Chaston (Winchester), Mr. T. O. Barlow and Mr. T. A. White (Southsea), and Mr. W. J. U. Woolcock being among those present. The Secretary (Mr. C. H. Baker) gave a short account of the work of the Association since the meeting in December, and mentioned that the ten new members to be elected that evening would make an increase of fifteen members since the beginning of the year. The President addressed the meeting on Organisation. It was agreed, on the advice of Mr. Woolcock, to work the county through the Pharmaceutical Committee instead of by district Associations. A discussion on Insurance dispensing followed.

Institute of Ophthalmic Opticians.—A meeting of the Council was held on February 26 at the Holborn Restaurant, London, W.C. Mr. A. Upson (the Chairman) presided. On the proposition of Mr. A. W. Boatman, seconded by Mr. Harry Kemp, the Right Hon. James W. Lowther, P.C., Speaker of the House of Commons, the Right Hon. Lord Duncannon, Mr. Spencer Leigh Hughes, M.P. for Stockport, and Major Rigg were elected Vice-Presidents. Mr. Boatman remarked that rumours had been frequently circulated that legislation affecting sight-testing opticians would be introduced. For this reason it was desirable that the Institute should have at "headquarters" gentlemen who were actively interested in the craft affairs of its members. The report of the Finance Committee was adopted, on the proposition of Mr. F. W. Dodd and seconded by Mr. D. Buchanan (Glasgow). It showed that at February 6 the current account of the general fund stood at 475*l.* 2*s.* 10*d.* Payments authorised at the last Council-meeting and by the General Purposes Committee amounted to 362*l.* 11*s.* 1*d.*, leaving a balance of 112*l.* 11*s.* 9*d.* at the date of the report. Accounts for which payments were asked amounted to 121*l.* 13*s.* 6*d.*, and the Committee recommended that these should be made. Application had been made for 200*l.* worth of the recent issue of the Port of London stock on behalf of the general fund. A recommendation was made that, in view of the work involved by the increasing membership, the sum allowed for office and clerical assistance should be increased. It was stated by Mr. Boatman that the time could not be far distant when the Institute will require a central office exclusively devoted to its own business. The report of the General Purposes Committee stated that thirty-

one persons had been admitted Fellows since the last meeting of the Council, seven others having been admitted at the early stage of the Council-meeting. Organisation had been steadily increasing, but pressure of work in other directions had rendered it impossible to perform as much as had been hoped for. The Secretary (Mr. J. Harcombe Cuff) reported that nine members had been nominated for vacancies on the Council which occur in ordinary course. Of those, two (Mr. G. C. Bateman, London, and Mr. Harry Kemp, Manchester) had declined to accept office if elected. The following seven members had agreed to serve: Messrs. John Archibald Adams, Irvine G. Aitchison, Ernest Beaumont, Robert R. Roberts, Edmund Kirky Spiegelhalter, Henry Oscar Wood, and Joseph Simpson Yeates. The Chairman expressed the regret of the Council that Messrs. Bateman and Kemp had decided not to accept office owing to pressure of other work. The Secretary intimated that three nominations had been received for the post of auditor: Messrs. Luther French, John Jacobus, and Henry Milborne Selfe.

Liverpool.—The sixty-fourth annual report of the Liverpool Chemists' Association has this week been issued by the Hon. Secretary (Mr. John H. Robinson, Exchange Station Buildings, Liverpool). It is a sixteen-page octavo in an attractive cover, and it is a very live report for an Association of its age, it being the oldest of the kind in England. Since its diamond jubilee the Association has adapted itself to the greatly altered conditions of the practice of pharmacy, and is doing now as good work as it has ever done in its whole existence.

London.—Mr. J. Keall presided at a meeting of the Executive Committee of the London County Pharmacists' Association at 17 Bloomsbury Square on March 2. The Secretary was instructed to write to the London Insurance Committee requesting particulars of certain accounts which had been disallowed. It was agreed that a sub-committee, consisting of the President and Secretary of the Association, with the Secretaries of the six district Associations in London, be appointed to consider what modifications are necessary in the Association to bring it into harmony with the Pharmaceutical Society's organisation.

London.—The annual meeting of the Association of Certificated Dispensers was held in the Court Room of the Society of Apothecaries, Blackfriars, E.C., on February 26, Mr. Montagu G. Smith, F.C.S., presiding. Mr. A. Mowbray Upton (Clerk to the Society) attended, and addressed the meeting at considerable length. In very serious vein he dealt with the prejudicial and disastrous effects of the provisions of the Insurance Act on the certificate-holders, and the non-exercise of the powers contained in Section 4 (*b*) of the Poisons and Pharmacy Act, 1908, in relation to the by-laws contemplated therein. He indicated that the by-law question had become particularly acute since the coming into force of the Insurance Act; also that, by the exercise of the conferred powers, a very large amount of the mischief occasioned by the Insurance Act must necessarily disappear. After outlining the pacific efforts put forth by the Society of Apothecaries to secure a settlement of the question on the lines indicated by the recent Government Departmental Committee, Mr. Upton informed the meeting that the Society of Apothecaries had, after mature consideration, determined on strong and definite action, the details of which were followed with great interest, and at the conclusion of his address the liveliest satisfaction at the prospect was experienced by those present. The annual report of the Hon. Secretary was read and warmly approved. The Hon. Treasurer's balance-sheet showed a balance of 85*l.* 9*s.* 10*d.* in hand. The Executive Committee for 1914 was elected, and is practically the same as last year.

London Assistants.—*The Ubiquitous Germ* was the subject of a lecture by Mr. J. Stanley White to the Chemists' Assistants' Association on February 26. Mr. F. W. Crossley-Holland (President) presided over a fair attendance, which included several ladies. Mr. White gave a brief historical survey of bacteriology before passing on to the characteristics of the germs and methods of propagation and cultivation of microbes. The serum treatment of disease and the opsonic theory in connection with vaccine treatment were also fully described. Lantern-slides were used to illustrate different types of bacteria and cultural methods. A hearty vote of thanks to Mr. White was carried with acclamation.

Nottingham.—A meeting of the Pharmaceutical Association was held at the Victoria Station Hotel on Wednesday, March 4. The subject introduced by Mr. Reynolds, of the need for some uniform action among chemists for obtaining a reasonable profit on the varied proprietary articles which are sold at just above cost or under, came in for a good deal of discussion. Various ways of treating the evil were debated, but no final line of action was decided on.

Royal Institution.—The Friday evening discourse on February 27 at the Royal Institution, Albemarle Street, London, W., was by Professor W. A. Bone on *Surface Combustion.* When certain substances are heated red-hot in an atmospheric gas-flame and the gas-supply stopped and then turned on again, combustion of the gas takes place on the surface of the hot material, but there is no flame. Surface combustion, moreover, develops greater heat than when flame is present. Davy first called attention to the fact that platinum wire could be kept at a red heat by directing upon it a mixture of gas and air, but the only outcome until lately was Dobereiner's lamp, which enjoyed some popularity as a scientific toy. Fletcher obtained a similar result with a ball of iron wire, and was the first to call attention to the enormous rise in temperature when surface combustion is taking place. Professor Bone has developed the idea to a commercial stage, boilers in which surface combustion is employed being now in use. The catalytic surface employed is a flat block of granular material or the loose granules in metal tubes, the latter being employed in tubular boilers. The gaseous mixture—it takes less gas for surface-combustion than for ordinary combustion—is supplied from the back of the block of granular material. This form of surface combustion is being successfully and economically employed in a large confectionery-factory for evaporating sugar, and it is suggested that it can be used for evaporating pharmaceutical and chemical preparations by placing an inverted diaphragm on the surface. For crucible-heating and muffle furnaces a temperature of 1,400° to 1,500° C. is easily attained, and a maximum of about 2,000° C. can be reached, which is more than sufficient to melt platinum. Particulars were given of commercial uses to which surface combustion is being applied, and it was mentioned that in the new type of multitubular boiler devised 92.7 per cent. of the heat is utilised, against about 75 per cent. in the case of coal-fired boilers. At the conclusion the lecturer said he wished to emphasise that this is an out-and-out British invention, because it is being claimed on the Continent as a German invention. The lecture was illustrated by numerous experiments, and afterwards further demonstrations were given of this new method of heating.

Society of Public Analysts.—At the meeting held at Burlington House on March 4, Mr. A. C. Chapman (President) in the chair, a paper was read by Messrs. Parker and Major on the examination of *Compound Liquorice-powder.* In addition to the usual moisture and ash determinations, the authors made various other determinations, and found that the only correct way to determine the sulphur is by oxidation with nitric acid and weighing as barium sulphate. The carbon-bisulphide extract contains a good deal of the sulphur and the small amount of essential oil contained in the fennel. The other drugs used yielded very little to carbon bisulphide. They found that when genuine samples were extracted in a Soxhlet tube with the bisulphide, the yield was 6.3 to 7.9 per cent. After this extraction the marc was treated with cold water, which extracted from 61.1 to 63.9 per cent. A portion of the cold-water extract solution, after clarification by lead-acetate solution and removal of excess of lead, was used for sugar estimation: the residue of the extract was found to vary between 11.8 and 14.6 per cent. Crude glycyrrhizin was also determined, as it was thought it might give some information as to the quality of the liquorice-root used. A short discussion ensued, in the course of which Mr. E. J. Parry said that the determination of the glycyrrhizin could be of very little value, when we remembered that this figure varies enormously according to the district in which the root is grown. In liquorice-juice one might find as low as 5 or 6 per cent. in a Spanish juice, from 7 to 13 per cent. in a Sicilian juice, and from 18 to 20 per cent. in an Anatolian juice. A paper by Mr. L. Middleton Nash on the approximate determination of wood or stump turpentine in "gum turpentine had been notified, and the author frankly confessed that he had found a flaw in his method, so he laughingly confessed that he would wriggle out of it the best way he could, and gave a brief summary which induced a long discussion, in which Messrs. E. J. Parry and the President took part, the latter agreeing with Mr. Parry that the examination of oil of turpentine for wood turpentine depends upon the last 10 per cent. of the distillate.

Tunbridge Wells.—Mr. A. E. Hobbs presided at a meeting of the local Chemists' Association on February 24. After routine business, the members discussed, and came to a satisfactory agreement in respect to, tenders for stock mixtures for Sanatorium Benefit patients. Messrs. Turney, Phillips, and Webb were appointed to serve on the Committee of the Kent Association of Pharmacists, and it was agreed to contribute 1*l.* to its funds.

Mr. Duncan McKechnie, J.P., 1 Heath House, Runcorn, Cheshire, director of the United Alkali Co., Ltd., who died on December 7, left estate of the gross value of 10,160*l.* 11*s.* 2*d.*, of which 9,808*l.* 0*s.* 3*d.* is net personalty.

hemists' and Druggists' Society of Ireland.

HE annual meeting of the Chemists' and Druggists' Society of Ireland was held on February 25 in the ciety's Rooms, 11 Waring Street, Belfast, the Presint (Mr. Samuel Suffern) in the chair. There was a od attendance, among those present being Messrs. bert Cambridge, J.P., W. J. Gibson, Wm. Haslett, McDowell, W. J. Rankin, Joseph Moffet, J. Long, T. ndsay, J. Frackelton, D. Manson, D. O. Perry, J. D. rse, A. M. Gamble, W. E. Wilson, S. Nevin, Albert avis, Geo. Johnson, A. W. Stevenson, S. McDowell, n., and R. A. Jamison and Wm. Martin (Hon. cretaries).

Annual Report.

The minutes of the previous meeting having been read d signed, the annual report was submitted as follows :

Membership.—We have pleasure in reporting that the embership continues to increase, a large number of new embers having been added to the roll during the year. It recommended that all members of the trade—whether incipals or assistants—should join the Society, and help to rther the interests of the members.

Resignation.—At the last annual meeting Mr. Rankin signed the office of Secretary, held by him for twentyven years. It was with regret and reluctance that the ociety accepted same, and it was at once decided to honour m in appreciation of his long service to the Society. picnic was organised to Crawfordsburn, and many memers and friends joined the party. After a repast served the Old Crawfordsburn Hotel, advantage was taken of e occasion to make the presentation to Mr. Rankin, which nsisted of an address and gold medal, together with a lver tea-and-coffee service. After the presentation was ade by Messrs. W. J. Gibson (Secretary) and W. Martin Treasurer) of the Presentation Committee, many friends oke testifying to Mr. Rankin's untiring efforts at all times n behalf of the Society. In reply, Mr. Rankin gave a ort history of the Society from its formation, and thanked e friends for their kindness at all times.

Law and Parliamentary.—The Committee appointed to quire into the question of the application of Medical enefit to Ireland invited the Society to tender evidence, d the President and Mr. S. Gibson were appointed to go Dublin for that purpose. The whole question was careilly gone into by the Committee, and we believe that the vidence given on behalf of our Society has had considerable eight. It is likely to lead to some arrangement being me to for the benefit of chemists and druggists and regisred druggists, and it behoves the members to take a reater interest in this matter if it is to be brought to a atisfactory issue. We would urge that an effort be made enlist the sympathy and support of all the traders throughut the country. Union is strength.

Haslett Medal.—The seventh Sir James Haslett Gold Medal has been won by Mr. Sydney Marshall Keith, being e registered druggist student having the highest number f marks during the year 1913.

Social.—Through the kindness of the President and Miss Suffern, a large party of the members and friends were ost hospitably entertained in these rooms in the early art of the winter. An excellent programme of music, tc., was provided, and a very pleasant and enjoyable evenng was spent by all present. Monthly meetings were held uring the winter for members and their lady friends. It s to be regretted that more of our members did not embrace e opportunity that the meetings afford for social intercourse. Those who did attend, however, found them very njoyable, and are only sorry that they are not held oftener.

Chamber of Commerce.—Mr. S. Gibson, J.P., has repreented the Society in the Chamber of Commerce during e year 1913.

The advertising in the rooms has been again well looked fter by Mr. Frackelton.

Mr. W. J. Gibson (Hon. Treasurer) presented the nancial statement, which showed a substantial balance o credit.

The report and statement of accounts were unanimously dopted.

Election of Officers.

Mr. Rankin proposed the election of Mr. W. J. Gibson s President in room of Mr. Suffern, whose term of ffice had expired, and in doing so referred to his great ervices to the Society as Hon. Treasurer and in other capacities. Mr. Frackelton seconded the motion, which was unanimously agreed to. Mr. Gibson, on taking the chair and returning thanks, said he could not promise to do anything great, but he could assure them as far as lies in his power he would be alive to the interests of the trade, and, should occasion demand, would not be afraid to throw off his coat and see that the rights of all the members of the mortar and pestle are jealously guarded. Having been associated with the Chemists' and Druggists' Society since its birth, now over a quarter of a century ago, he felt that its interests were linked with his being, so that anything he could do on behalf of the Society was a labour of love.

Mr. W. J. Gibson, the new President, is the second of the family to occupy the position, his brother, Mr. Samuel Gibson, J.P., having been President for two years. He is a son of the late Mr. Samuel Gibson, who founded the firm of Samuel Gibson, wholesale druggists, in Mill Street, Belfast, many years ago, and has been thirty years in the business, having joined his brother Samuel when the business was moved to King Street. For a number of years he travelled for the firm, but recently he has devoted more time to the inside management, but still retains his connection with the drug trade in the city. Mr. Gibson joined the Chemists' and Druggists' Society on its inauguration, and has been treasurer for a number of years. He is a camera enthusiast.

The following were appointed Vice-Presidents : Messrs. W. Jamison, S. Gibson, J.P., W. Haslett, R. Cambridge, J.P., J. Frackelton, S. Suffern all of whom are Past-Presidents), with Messrs. Wm. McMullan, Jacob Walsh, J. D. Carse, Saml. McDowell, D. A. Taylor, and W. J. Rankin.

On the motion of Mr. Frackelton, seconded by Mr. Gamble, Messrs. Jamison and Martin were unanimously re-elected Hon. Secretaries; and on the motion of Mr. McDowell, sen., seconded by Mr Suffern, Mr. Samuel Gibson, J.P., was appointed Hon. Treasurer in place of his brother elevated to the chair.

The committee was constituted as follows : Messrs. W. J. Busby, F. Boyle, James Guthrie, E. J. Roberts, Geo. Johnson, H. Marshall, Jos. Moffet, D. Manson, James Macauley, S. Nevin, W. R. H. Orr, James Richardson, W. E. Wilson, D. O. Perry, A. E. Davis, T. J. Kerr, R. Spence W. Chapman (Portadown), F. Lindsay, T. W. Reynolds (Dungannon), and A. R. Hogg.

On the motion of Mr. Cambridge, seconded by Mr. McDowell, sen., Messrs. Gamble and Perry were appointed auditors. Mr. Saml. Gibson, J.P., was elected representative of the Society on the Council of the Belfast Chamber of Commerce. It was resolved that the financial year should in future end on January 31.

Several speakers referred with regret to the approaching departure of Mr. R. Mulligan, druggist, Sandy Row, to New Zealand, and on the motion of Mr. Frackelton, the best wishes of the Society were tendered to Mr. Mulligan for his prosperity in the land of his adoption.

Mr. Rankin proposed a vote of thanks to Mr. Suffern for his services in the Presidential chair during the past two years. Mr. Cambridge seconded the vote, which was passed by acclamation. Mr. Suffern having acknowledged the compliment, the proceedings ended.

Annual Social.

The annual social meeting was held on the same evening, the newly elected President (Mr. W. J. Gibson) presiding over a large attendance of members and lady friends. After tea, the President welcomed the guests, and introduced a musical programme to which the following contributed : Miss Walsh, Miss Richardson, Miss Scott, Messrs. Uprichard, Carson, Graham, McDowell, and Stanton. Mr. J. D. Carse gave a recitation, and Miss Mooney danced cleverly. Miss Scott was the accompanist of the evening. During the evening Mr. S. Gibson gave a short address, in which he referred to Mr. Suffern's successful term of office and the development of the social life of the Society. A vote of thanks to the artistes and others who assisted was passed.

Institute of Chemistry.

PROFESSOR RAPHAEL MELDOLA, F.R.S., presided at the thirty-sixth annual general meeting of the Institute at 30 Bloomsbury Square, London, on March 2.

Mr. Gordon Salamon (Hon. Treasurer) submitted the accounts for the year, and warned the Fellows that although so far the income had met the expenditure, they would have to be careful about the latter when they go into the new premises in the course of this year. The accounts and report of the Council were received and adopted, and censors and auditors were elected, the censors being Dr. George Beilby, F.R.S., Professor Percy F. Frankland, F.R.S., Mr. David Howard, and Dr. George McGowan; hon. auditors, Mr. W. J. A. Butterfield, Dr. Percy E. Spielmann, and Mr. Herbert F. Stephenson.

Subsequently also the officers and Council were elected as follows:

President, Raphael Meldola, D.Sc., LL.D., F.R.S.

Vice-Presidents, George T. Beilby, LL.D., F.R.S., Edward J. Bevan, J. J. Dobbie, LL.D., D.Sc., F.R.S., Sir Alexander Pedler, C.I.E., F.R.S., Sir Boverton Redwood, Bart., D.Sc., and E. W. Voelcker, A.R.S.M.

Hon. Treasurer, Alfred Gordon Salamon, A.R.S.M.

Members of Council, L. Archbutt, R. F. Blake, A. G. Bloxam, W. T. Burgess, C. H. Cribb, B.Sc., C. F. Cross, B.Sc., M. O. Forster, D.Sc., F.R.S., G. J. Fowler, D.Sc., Sir Richard Garton, A. Harden, D.Sc., Ph.D., F.R.S., Otto Hehner, Charles A. Hill, B.Sc., E. Hinks, B.Sc., W. R. E. Hodgkinson, Ph.D., A. H. Knight, H. R. Le Sueur, D.Sc., William Macnab, G. W. Monier-Williams, M.A., Ph.D., F. R. O'Shaughnessy, A.R.C.S., W. H. Perkin, LL.D., Ph.D., F.R.S., S. O. Richmond, C. A. Seyler, B.Sc., T. Stenhouse, jun., B.Sc., A.R.S.M., F. W. Stoddart, O. Trigger, W. H. Willcox, M.D., B.Sc., and J. Woodward, B.A., B.Sc.

The President delivered an address, in the course of it dealing with the new buildings, which it is hoped will be completed before the autumn meeting, and in connection with the Royal Commission on the Civil Service, the importance of the highest qualifications for the chemical staff of the Woolwich Arsenal was insisted upon, and that the chemist should have army "rank." Regret was expressed that the rearrangement of the chemical staff of the London County Council since the retirement of Dr. Clowes had been subordinated to the medical officer of health. Professor Meldola also dealt with the Report of the conference of Professors of Chemistry, held under the auspices of the Institute in October last.

Sir William Ramsay, in proposing a vote of thanks to the President, endorsed his views as to placing men having no technical knowledge in the control of experts. The vote was seconded by Mr. John Spiller and carried unanimously.

Explosives.

Mr. W. Macnab, F.I.C., F.C.S., delivered the first of two lectures on explosives at King's College on Thursday evening, February 26. He began with the use of gunpowder, dealt with the invention of guncotton, the introduction of nitroglycerin and of modern explosives, describing their properties. We reserve report for combination with that of the second lecture.

NETHERLANDS NOTES.

Proprietary Articles.—According to the "Board of Trade Journal," the Royal Assent had been given to the statutes of a Society which has been formed in the Netherlands for the mutual protection of manufacturers and dealers in proprietary articles." The Association is at first limited to manufacturers of chemical, pharmaceutical, and toilet products, but its scope is to be extended if necessary. All manufacturers, whether Dutch subjects or not, who place goods on the market ready for sale furnished with a certain mark and intended for sale at a fixed price, are eligible for membership. The Secretary of the Association is Dr. Ch. E. Jacobs, Keizersgracht 578, Amsterdam.

Health Insurance.—In the First Chamber of the Dutch Parliament important pronouncements have been made regarding the new Sickness Insurance Bill. Mr. Treub, the Minister for the Department of Agriculture, Commerce, and Industry, who by his speeches in the Second Chamber was generally thought to be against the physicians in this matter, has now explained himself about this question in a way which makes it possible that an agreement will be arrived at with the physicians and pharmacists. The Minister has had a conference with a committee of the Medical Society of Holland, and in his speech about this Bill to the First Chamber he said that this conference convinced him of the desire of the physicians to co-operate in the working of the scheme. It is not anticipated that the Bill will come before the Second Chamber until 1915.

Historical Medicine.—A Society for Studying the History of Medical, Physical, and Mathematical Science, which was founded recently in Holland, has had its statutes approved by Royal Decree. On January 1 the Society had 236 members. The Executive consists of E. C. van Leersum (President), B. A. van Ketel (Treasurer), J. van Baren, E. Cohen, and J. A. Vollgraff (Secretary), Leyden. Copies of articles on the history of science, written by one of the members, are distributed periodically to the other members. In this way members have already received copies of an article by H. P. M. van der Horn van den Bos on P. J. Kasteleyn, an Amsterdam pharmacist of the eighteenth century; an article by J. A. Vollgraff regarding Pierre de la Ramée and Willebrord Snel van Royen; and of one by M. A. van Andel, entitled "Public Hygiene in a Mediæval Dutch Town." At a meeting held in Amsterdam on February 21, Professor E. Cohen delivered a lecture on "The History of the Affinity Idea," and Dr. M. A. van Andel on "Quackery in the Seventeenth Century."

POISONING FATALITIES.

Fifteen fatal poisoning cases have been reported since our last issue, four being by misadventure.

Carbolic Acid was taken with suicidal intent at Ince by a hawker named John James Topping (23).

Corrosive Poison.—The death by misadventure of Ada Marbeck (16), mill-hand, Tonge, followed upon her drinking about a "spoonful" of composition for cleaning rollers, upon being told as a joke by two other girls that it was stout.

Laudanum.—At the resumed inquest on Rev. Roland Joseph Blain (35), curate, Manchester, who died four weeks ago, it was found that he had committed suicide with this drug.—Ellen Clara Campbell Salman, Dawlish, also ended her life with this poison.—Jane Salmon (38) died at Banbury from an accidental overdose of this opiate.—At the inquest on Obadiah White (74), of Tansley, Matlock, who drank 1½ oz. of laudanum, a verdict of death by misadventure was returned. The Coroner wanted to know why such a preparation, "apparently made to evade Part I. of the Poisons Schedule," was so generally sold.

Morphine.—William Tempest, who was found in a dying condition in a Liverpool to Wigan train, succumbed to the effects of morphine-poisoning.

Poisonous Liniment administered in mistake for medicine killed Mrs. Sarah Ann Woodhall (45) at Bradford.

Potassium Cyanide was used for suicidal purposes by Thomas Mahoney (44), tailor, Nantwich.—Evangeline Robbins, the wife of an Ipswich medical practitioner, ended her life with this chemical. She sent a signed order to a local pharmacy "for 1 oz. cyanide of potassium for developing photographs." Mr. Edwin Miller, chemist, 18 Norwich Road, Ipswich, who supplied the potassium cyanide, said that he refused to supply it at first, but sent his poisons register to be signed by Mrs. Robbins and for the bearer's own signature. The book was brought back signed and the order supplied. Witness thought the fact that the order came from a doctor's house was sufficient guarantee of its urgency.

Rat-poison was stated to be the cause of the self-inflicted death of Henry Newton, skinner, Abergavenny.

Spirit of Salt.—Maud Wagstaffe (28), Chorlton-cum-Hardy, and George James Newbury, Wimbledon, committed suicide with this corrosive acid.

Kind not Stated.—At the inquest at Exeter on Henry Faulkner White (67) and Annie Rowe (24), who were found poisoned in a field, the jury returned a verdict of wilful murder and *felo-de-se* against White.

The Imports of Medicines and Drugs into Grenada, B.W.I., during 1912 (the latest figures available) amount to 3,466*l.*, as compared with 2,831*l.* in 1911.

TRADE-MARKS.

ie figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1914, p. 237.

ijections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

rom the "Trade-marks Journal," February 18, 1914.)

"ONOZOR"; for a disinfectant (2). By O. Kamphövener, 3 Falcon Avenue, London, E.C. 356,633.

"VICA"; for a bird-tonic (2). By Entwistle Bros., 99 River Street, Bolton. 356,938.

"UMENOL"; for a skin-preparation (3). By Meister, Lucius & Brüning, Hoechst a/Main. 349,957.

Atomical device, with word "MARCA"; for a pharmaceutical preparation (3). By J. Collantes, Luis de Velaquez I, Malaga, Spain. 355,051.

"ALBRONICS"; for tonic pills (3). By R. C. Brown, 3 Westborough, Scarborough. 357,134.

"ARGON"; for an ointment (3). By Annie L. Hooker, 3 Milkwood Road, Herne Hill, London, S.E. 357,181.

Circular device of native woman, with words "GOLD MOHUR' BALM" and "INDIA'S OFFERING TO EUROPE" ("Gold Mohur" disclaimed); for an ointment (3). By W. M. Maynard, Broomrigg House, Fleet, Hants. 355,554.

Device of letters "E. M. D."; for medicinal chemicals (3). By E. Merck, 66 Crutched Friars, London, E.C. 357,438.

"ENITOSE"; for medicated skin-preparations (3), and for all goods (48). By A. Wulfing & Co., 12 Chenies Street, London, W. 357,770/1.

"ITRATED"; for medicinal chemicals (3). By Tokalon, Ltd., 212-214 Great Portland Street, London, W. 357,846.

"WALLENE" on oblong label; for an ointment (3). By E. H. Roberts, 93 Elm Vale, Fairfield, Liverpool. 357,910.

Label devices, with word "SANSON" ("Sanson" disclaimed); for a natural mineral-water (44). By Compagnie Générale des Eaux Minérales de Neubourg, Neubourg, France. 353,226.

"AIRYMAID," with picture of same; for soap (47 and 48). By W. Gossage & Sons, Ltd., Widnes. 356,918/9.

"THENÆA"; for goods (47), and for perfumery, etc. (48). By John Knight, Ltd., Silvertown, London, E. 357,554/5.

"LORAL GEMS"; for perfumery, etc. (48) By J. Ridge, 56 Ludgate Hill, London, E.C. 356,813.

"UBTABS"; for perfumery, etc. (48). By H. Bronnley & Co., Ltd., Warple Way, Uxbridge Road, London, W. 356,966.

"INOL"; for a hair-preparation (48). By S. C. Waggett and F. M. Cushing, 9 Regent Street, London, S.W. 356,987.

"USTRESSA"; for all goods (48). By C. A. Stokes, 11-13 Lower Castle Street, Bristol. 357,133.

"UBO"; for all goods (48). By G. Boehm, 38 Morland Street, Goswell Road, London, E.C. 357,242.

Worcester.—The annual meeting of the Worcester City and County Pharmacists' Association was held at the Hop Market Hotel, Worcester, on February 26. Alderman J. Steward, J.P., was in the chair, and there were also present about other members and Mr. D. G. Pout (Hon. Secretary). The accounts were submitted and adopted, and the following officers elected: *President*, Alderman J. Steward, J.P. (Worcester); *Vice-Presidents*, Messrs. C. W. Turner, J. Hall, A. E. Coverdale (Worcester), and A. Mander (Malvern); *Hon. Secretary and Treasurer*, Mr. Donald G. Pout (Worcester); *Committee*, Messrs. Acton, Aubrey, Lunn (Worcester), Maurice Smith (Kidderminster), Gedge (Malvern Link), Baylis (Malvern), Need (Malvern), and Noak (Bromsgrove). The retiring Secretary (Mr. A. E. Coverdale) received a special vote of thanks for his services to the Association since its inauguration in February 1906. Sympathetic reference was made to the death of Mr. Horniblow (Worcester). The reorganisation scheme of the Pharmaceutical Society was briefly discussed, and it was decided to leave it in the hands of Mr. Coverdale and the Secretary to bring forward at the next meeting a plan for the reorganisation of the county. Several new members were elected.

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., March 5, 6.30 p.m.

BUSINESS in most directions continues slow, with few price-developments of interest. Prominence may be given to the strong and rising market for American peppermint oil, in sympathy with primary sources. New Norwegian cod-liver oil continues to be a declining market, owing to a satisfactory catch, and business is of small dimensions. Among fine chemicals, sulphonal is dearer from "outside" makers, and atropine and salts have been gradually appreciating in value. Morphine tending firmer, in view of the advance in opium. English tartaric acid has been advanced ½*d.*, foreign being unchanged; demand is active. Citric acid and cream of tartar are both firm. Strychnine and salts are substantially cheaper. Aloin and chrysarobin are the turn easier from makers. Other changes include a slight advance in new bergamot oil; lemon is unchanged to arrive, but spot values tend easier. Bourbon geranium oil, as anticipated, has advanced in primary market. Menthol and Japanese mint oil quiet. Opium is decidedly dearer, the U.S.A. having bought moderately at primary sources. English taraxacum is practically unobtainable, and slippery elm very dear. Canary-seed is higher for ordinary, and Dutch caraway is also dearer. Anise is firm, while cumin and linseed are steady. Shellac is lower, and turpentine on balance is higher. The chief alterations of the week include the following:

Higher	Firmer	Easier	Lower
Atropine	Bergamot oil	Aloin	Cardamoms (wild)
Canary-seed	Camphor (refined)	Chrysarobin	Coca-leaves (Ceylon)
Caraway-seed	Citric acid	Cocoa-butter (auction)	Cod-liver oil
Ipecacuanha (Johore)	Geranium oil (Bourbon)	Coconut oil (Ceylon)	Honey
Opium	Orange oil	Copper sulphate	Rhubarb (High-dried) common
Peppermint oil (Amer.)	Sarsaparilla (native)	Elemi	Sarsaparilla (grey Jam.)
Sulphonal	Wax, bees' (Jam.)	Lemon oil (spot)	Shellac
Tartaric acid (Eng.)		Menthol (spot)	Strychnine and salts
Turpentine			

Cablegram.

BERGEN, February 4.—Weather is good, but the cod-fishing in the Lofoten Islands is slight. Market for finest non-congealing Lofoten oil is quiet and easier, at about 73*s.* 6*d.* per barrel, c.i.f. terms.

London Markets.

AGAR-AGAR.—Sales of Japanese strip (No. 1) have been made at 1*s.* 6*d.* per lb. c.i.f. for March-April and April-May shipment.

ALOIN.—Makers' prices have undergone a slight reduction, 3*s.* 3*d.* per lb. net being quoted.

ANISEED is firm at 27*s.* 6*d.* per cwt. for fair Russian on the spot. Spanish is quoted 35*s.* per cwt.

ATROPINE.—The market appears to have been practically cleared of the cheaper offers, consequently new business has to be done at the full prices of makers, which for sulphate in bottom quantities of 175 oz. is 16*s.* per oz.

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Bergamot Oil.—Higher prices are cabled from primary markets, several agents quoting 18*s.* to 19*s.* per lb. c.i.f. for 38-per-cent. esters; spot is called 19*s.* to 19*s.* 6*d.* for good brands.

The rapidity of the advance in lemon (says a Sicilian report of February 28) appears to have encouraged sellers of bergamot (many of whom have still a strong "bullish" position brought forward from last season) to try and advance prices. There has been very little doing this week, because, while buyers still speak of prices previously quoted, sellers are asking an advance.

Camphor (Refined).—Business has been done in Japanese refined ¼-oz. and ½-oz. tablets for May-June and June-July shipment at 1*s.* 5¼*d.* per lb. c.i.f. Sellers of slabs quote 1*s.* 4¼*d.* c.i.f.

Canary-seed.—Ordinary quality is considerably dearer, but the finer kinds are unchanged, being already very high priced. Common Morocco was sold early in the week at 87*s.* 6*d.*, and is now held for 90*s.* per quarter; Turkish is quoted 93*s.*, and good River Plate 92*s.* 6*d.* Fine Morocco is worth 110*s.* and Spanish 120*s.* to 130*s.* per quarter.

Caraway-seed is dearer, owing to the growing crop not promising well. Fair to good Dutch is quoted 27*s.* 6*d.* to 29*s.* per cwt. on the spot.

Chillies continue dear, Japanese offering at from 55*s.* to 60*s.* on spot.

Chrysarobin is offered at a slight reduction, current value being about 5*s.* 6*d.* per lb. net.

Citric Acid is firmer on the week at from 1*s.* 11¼*d.* to 1*s.* 11½*d.*, it still being difficult to obtain supplies for prompt delivery. At the close 1*s.* 11½*d.* has been paid.

Clove Oil steady at from 3*s.* 10*d.* to 4*s.* per lb. for English from first hands.

Cloves are dearer, Zanzibar having sold on spot up to 6⅛*d.* for fair; to arrive the sales include January-March at 5 31/32*d.* to 6⅛*d.*, and June-August delivery at 6 3/16*d.*

Cocoa-butter is steady at from 1*s.* 4½*d.* to 1*s.* 5*d.* per lb. on spot. At the Amsterdam auction 50 tons Van Houten's "A" quality sold at 84.81c., against 85.40c. last auction, and 100 tons "B" realised 81.77c., against 82.33c.; 78 tons Blooker sold at 81.80c.

Coconut Oil is easier for Ceylon at 45*s.* 6*d.*, and Cochin is unchanged at 53*s.* on spot.

Codeine.—As intimated last week, the makers have reduced their prices by 7*d.* per oz., the quotation for small lots of pure crystals being 11*s.* 6*d.* per oz., hydrochloride and sulphate 10*s.* 1*d.*, and phosphate 8*s.* 9*d.* net cash; 70-oz. contracts for delivery within six months are quoted 5*d.* per oz. less, and a further reduction of 3*d.* is given on 175-oz. contracts, with falling clause.

Cod-liver Oil.—With the improved fishing and fair prospects, prices for finest new non-congealing Lofoten oil are again easier, at from 72*s.* to 75*s.* per barrel, c.i.f. terms, but it is probable that a bid of 70*s.* would lead to business in more than one quarter.

Our Bergen correspondent writes on February 23 (too late for our previous issue) that the results of the cod-fishing during the past week were satisfactory, although the quantities caught by each boat are not very considerable. As there is fish present in nearly all fishing-places, from Sondmore to Vesteraalen and Senjen (two districts north of the Lofoten Islands), the total output surpasses that of the corresponding week of 1913. The reports give the following figures for:

Lofoten.	1912	1913	1914
Catch of cod (millions) ...	3.0	0.7	1.2
Yield of c.l.o. (hect.) ...	2,400	400	1,150
Yield of liver for raw oils (hect.)	300	200	250
The Whole Country.			
Catch of cod (millions) ...	16 6	8.4	7.2
Yield of c.l.o. (hect.) ...	15,000	6,800	6,900
Yield of liver for raw oils (hect.)	3,300	2,600	2,200

The arrivals of new unrefined oil have been trifling up to date, but nevertheless prices have been constantly declining.

Our Bergen correspondent writes on March 2 that the cod-fishing is now going on all over the coast. For Lofoten the catch is rather moderate, but in other districts, such as Helgeland and Sondmore, the results are more satisfactory, and the total increase during the week of five millions is pretty fair and above expectations. To-day's report gives the following figures for:

Lofoten.	1912	1913	1914
Catch of cod (millions)	4.6	1.3	2.2
Yield of c.l.o. (hect.)	3,650	800	2,040
Sondmore.			
Catch of cod (millions)	2.1	1.0	2.3
Yield of c.l.o. (hect.)	1,430	620	1,760
Total of all Districts.			
Catch of cod (millions)	20.7	10.6	12.3
Yield of c.l.o. (hect.) ...	18,000	8,300	11.300
Yield of liver for "raw" oils (hect.)...	3,700	2,850	3,300

In these circumstances it is not surprising that the market for refined cod-liver oil is declining. Prime 1914 non-congealing Lofoten is to-day quoted at about 72*s.* 6*d.* per barrel c.i.f. terms.

Copaiba.—Cleared Maracaibo is selling privately at from 2*s.* 1*d.* to 2*s.* 2*d.* per lb. In auction seven barrels cloudy Para were limited at 2*s.*

Copper Sulphate is easier at from 22*l.* 2*s.* 6*d.* to 22*l.* 5*s.* per ton for the usual Liverpool brands.

Coriander-seed moves off slowly at unchanged prices; wormy Morocco at 13*s.* and sound at 19*s.* per cwt.

Cream of Tartar is firm and unchanged at from 94*s.* for 98-per-cent. and 92*s.* for 95-per-cent. powder.

Cumin-seed is steady at 24*s.* to 27*s.* 6*d.* per cwt. for ordinary to good Morocco and at 32*s.* 6*d.* for Malta.

Ergot.—Privately, Russian on the spot is quoted at from 1*s.* 9*d.* to 1*s.* 10*d.*, and to arrive at 1*s.* 8*d.* per lb. c.i.f. In auction five bags greyish and slightly wormy Spanish were bought in at 2*s.* 1*d.*, and for four cases sound 2*s.* 3*d.* was wanted.

Fenugreek-seed is slow of sale at 10*s.* 6*d.* per cwt. for retail lots of Morocco.

Galls remain easy, Persian blue offering at 47*s.* 6*d.* per cwt. on spot.

Geranium Oil.—After being nominal for a week or so, the Bourbon market has advanced, and 14*s.* 6*d.* per lb. has been cabled this week for April delivery. Spot prices are from 14*s.* 6*d.* to 15*s.* per lb. Still higher prices are quoted at the close.

Lemon Oil.—Quotations for new crop show no change, at from 9*s.* to 9*s.* 3*d.* per lb. c.i.f. for March-April shipment. The spot tendency is, if anything, a trifle easier owing to fair arrivals of new taking place and sellers meeting the market. Prices are from 8*s.* 10½*d.* up to 9*s.* 6*d.* on spot, according to brand and holder.

A Sicilian advice, dated February 28, states that "the excitement has gradually cooled down during the week under review, and, although at the beginning even somewhat higher figures than last quoted were paid to provide for requirements for February delivery, still the tone has been much more settled, and, while sellers continue to be very firm and try to maintain and even to push up prices, on the other hand buyers also keep so reserved as to counterbalance the firmness. As remarked in previous reports, it seems more and more probable that the only factor which can permanently affect the market during the pressing season is the demand from abroad; and, unless there is strong support from consumers in that quarter, it does not seem likely that the recent movement—on account of its very suddenness—will have a full and lasting effect on prices. What seems probable is that we shall continue to have sudden and violent fluctuations during the next few months, also chiefly on account of the conflicting interests at stake."

Linseed is steady at 50*s.* to 52*s.* per quarter for good quality.

Menthol.—Quiet, at from 12*s.* 3*d.* to 12*s.* 6*d.* per lb. spot. Arrival market is also quiet, with sales at the close of last week at 13*s.* 10*d.* c.i.f., in combination with oil, for October-December shipment; oil offers for this position at 4*s.* 3*d.* c.i.f. The arrivals comprised 70 cases crystals and 73 cases mint oil from Yokohama.

We are informed that the quantity of menthol and mint oil shipped from Japan during January was 1,400 cases, and during February 1,700 cases were shipped.

Morphine remains firm in view of the advance in opium, with makers asking 8*s.* for hydrochloride.

Opium.—A good business has been done in primary markets, comprising 120 cases at from 14*s.* to 14*s.* 3*d.* per lb. c.i.f. for 11-per-cent. quality, which is an advance of

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per lb. Spot prices are unchanged at from 15*s.* to 6*d.* Soft shipping is quoted at from 17*s.* to 21*s.* ian remains very firm at from 19*s.* to 22*s.* The vals of opium in London include 97 cases *via* Mar- es, 58 cases *via* Bombay, and 59 cases from Persian ports. At the close a cable has been received quoting 4*d.* c.i.f., stating that holders show no disposition ell.

Smyrna correspondent writes on February 26 that the this week on our market amount to 71 cases at an ance of 1*s.* per lb. over and above last week's quotations.

Frosty weather has set in, which is causing damage to young poppy-plants, which, owing to the hitherto mild er we have passed, are not protected by their natural ring of snow. Of the opium sold this week, 25 cases are account of Interior speculators. The opinion is that ner prices will be established when consumers respond to upward movement. The arrivals in Smyrna amount 390 cases, against 2,282 cases at same date last year.

Constantinople correspondent writes on February 28 the sales are 30 cases druggists' at from ptrs. 210 to 216, cases "softs" at from ptrs. 250 to 260, and ten cases latia at ptrs. 230. Our market has followed the same ard tendency this week as last. In spite of the fact the orders coming from Europe and America are not smitted at the prices at present in force, holders them- es sustain the market by buying. They hold pessimistic vs on the new crop, which are based upon the drought ch continues. Rain, which is anxiously expected, will e the effect of changing this firmness of the market. The vals are 3,292 cases, against 2,454, and the stock 800 cases, inst 855.

monthly report states that the easier feeling that pre- ed towards the end of January became accentuated dur- the first half of February. By the middle of February lers were offering at a reduction of about 9*d.* per lb., sellers then withdrew on reports being circulated of nage to the growing crops. These reports were confirmed y to a very moderate extent, the damage being confined me district only. No complaints have come to hand from er quarters, the effect being that holders who had ad- ced their prices 1*s.* to 1*s.* 6*d.* per lb. have gradually uced their figures to nearly the level prevailing before advance. Full consideration of the latest statistics and er factors bearing upon the situation appears to predict airly steady market for the immediate future.

Orange Oil.—Although there is very little doing in mary markets, yet the oil is a trifle firmer. Agents London quote *sweet* at 10*s.* to 10*s.* 3*d.* c.i.f., and *bitter* usual slight premium.

Pepper.—Black Singapore is quiet but firm, fair selling $5\frac{1}{16}$*d.* on spot; to arrive, sellers quote $4\frac{7}{8}$*d.* for March- y shipment, and for January-March Lampong has been d at $4\frac{5}{8}$*d.*, April-June at $4\frac{11}{16}$*d.* (and buyers), and gust-October at $4\frac{11}{16}$*d.* c.i.f. d.w. *White* Singapore is o firm, spot selling at $8\frac{3}{4}$d. and fair Muntok at $9\frac{1}{4}$*d.*; arrive, April-June shipment of Singapore has been done $8\frac{9}{16}$*d.* c.i.f. Penang for March-April is quoted $7\frac{5}{16}$*d.* f., and Muntok at $8\frac{15}{16}$*d.* c.i.f. for April-June shipment.

Peppermint Oil.—American tin oil again shows an ad- nce, prices to arrive being from 15*s.* 9*d.* to 16*s.* 3*d.* This said to be due to the fact that the bulk of the oil is now of growers' hands and is held by a few big dealers o are not eager to sell. The spot value for finest brands 16*s.* net, with little offered. H.G.H. is quoted at from *s.* 3*d.* to 19*s.* 6*d.* London terms, and 19*s.* to come ward.

Pimento.—Spot sellers quote 2*d.* to $2\frac{1}{16}$*d.* and 17*s.* 3*d.* r cwt. c.i.f.

Potassium Iodide.—The exports from Japan during ecember amounted to 9,349 kin, valued at 60,222 yen. ring the past three years the exports have been as llows:

	1911	1912	1913
Kin	53,996	64,968	54,225
Yen	245,212	317,311	323,947

crude *iodine* the exports during December were 750 kin, valued at 26,525 yen: the three years' exports ere—1911, 14,084 kin; 1912, 17,094 kin; and 1913, ,210 kin.

Quicksilver is unaltered at 7*l.* 10*s.* from first-hands, d 7*l.* 1*s.* from second-hands.

Quinine.—Quiet, with second-hand sellers quoting . $0\frac{1}{2}$*d.* per oz. for German sulphate, and makers 1*s.* 1*d.*

The landings in London during February were 34,000 oz., and the deliveries 113,728 oz., leaving a stock on February 28 of 3,286,000 oz., against 3,720,500 oz. last year.

Shellac is cheaper on spot with a small demand, fair standard TN Orange offering at 70*s.* to 71*s.* and fair free AC Garnet at 73*s.*, to arrive April-May shipment. TN is quoted nominally at 71*s.* c.i.f. and AC Garnet at 65*s.* 6*d.* c.i.f. Futures are dull, sales including March at 70*s.* to 69*s.* The month's landings in London were 6,866 and the deliveries 3,601; stocks all descriptions, 99,384 packages.

Slippery Elm Bark is very dear, the bulk of the supplies of best quality in the United States having been bought up, and the powdered only is offered. On the spot the value is from $6\frac{1}{2}$*d.* to $7\frac{1}{2}$*d.* per lb.

Soda Nitrate.—Spot currencies are 10*s.* 9*d.* for ordinary and 11*s.* for refined; Liverpool also quoting 10*s.* 9*d.* and 11*s.* respectively.

Strychnine.—The March prices current of one maker shows a reduction of 3*d.* per oz., making the list-price of B.P. crystals 1*s.* 6*d.* per oz. net, and powder 1*s.* $5\frac{1}{2}$*d.* net. The *salts* have also been reduced, the sulphate being 1*s.* $3\frac{1}{2}$*d.* net. These prices are for ordinary wholesale quantities; 100 oz. are quoted at $\frac{1}{2}$*d.* less. It is understood that other makers follow this reduction, and in fact an outside maker quotes 1*s.* 5*d.* for crystals.

Sulphonal, which has been selling by makers outside the Convention at from about 8*s.* to 8*s.* 6*d.* per lb. for crystals or powder as to quantity, is now quoted at from 8*s.* 9*d.* to 9*s.* The Convention makers price is unaltered.

Taraxacum.—English root is very scarce, and nominally worth about 50*s.* per cwt. New crop will not be available before September.

Tartaric Acid.—The English makers have advanced their price to 1*s.* $1\frac{1}{4}$*d.*, but foreign is still quoted at 1*s.* $0\frac{1}{2}$*d.* A large business has been in progress lately, both on spot and forward, it being realised that prices are more likely to advance than decline.

Turpentine is about 3*d.* per cwt. dearer on balance, American closing at 32*s.* 3*d.* on spot and 32*s.* 6*d.* for April delivery.

London Drug-auctions.

Commercial Sale Rooms,
Mincing Lane, March 5, 1914.

At the auction of first and second hand drugs a moderate quantity covered by twelve catalogues offered, and a fair amount sold at and after the sale. Cape aloes is neglected on a more plentiful supply. Unsorted Curaçao in gourds sold cheaply; a fair quantity of new Persian Gulf asafetida sold at reasonable rates. Buchu firmly held, but quiet. Benzoin was firm, but sold irregularly for Sumatra; Siam neglected. Ceylon-Mysore cardamoms were about steady, seed being firm. Ceylon coca-leaves were forced off at lower rates. Dragon's-blood and gamboge quiet. Jamaica honey of mostly old import declined, importers meeting the market. Ipecacuanha was a feature, East Indian selling readily at a sharp advance. Rio was unchanged. Lime-juice held for higher rates. Myrrh steady and orange-peel firm. Shensi and Canton rhubarb were firmly held, but common rough High-dried was lower. Grey Jamaica sarsaparilla, being plentiful, sold at a decline of 2*d.*; on the other hand, native Jamaica brought full prices to a slight advance. Tinnevelly senna was of little interest, but Alexandrian pods brought full values. Jamaica beeswax was dearer, and full prices were paid for East African. The following table shows the quantity of goods offered and sold:

	Offered	Sold
Aloes—		
Cape	51	7
Curacao	14	9
Socotrine	45	0
Zanzibar	26	0
Ammoniacum	7	0
Annatto-seed	16	16
Asafetida	567	257
Balsam tolu	7	0
Belladonna-root	6	0
Benzoin—		
Palembang	34	0
Siam	28	0
Sumatra	71	20
Buchu	26	4
Calumba	20	0

	Offered	Sold
Cannabis indica—		
African	2	0
Bombay	2	0
Cantharides—		
Chinese	2	0
Russian	1	0
Cardamoms & seed	196	59
Cascarilla	24	0
Cashew-nuts	50	0
Chiretta	50	0
Coca-leaves	29	29
Cochineal	4	0
Cocculus indicus	50	0
Copaiba	9	0
Croton-seed	13	0
Cubebs	10	0

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	Offered	Sold
Cuttlefish-bone	10	0
Dragon's-blood	25	4
Elemi	23	9
Ergot	16	0
Eucalyptus oil	10	10
Euphorbia pil.	11	0
Galbanum	2	0
Gambier	80	0
Gamboge	11	0
Gum acacia	21	0
Honey—		
Cuban	22	17
Jamaica	72	23
New Zealand	33	0
St. Lucia	5	0
Salvador	20	20
San Domingo	18	0
West Indian	3	0
Ipecacuanha—		
Cartagena	19	0
East Indian	38	38
Matto Grosso	13	1
Jalap	24	3
Kamala	2	0
Kola	1	1
Lime-juice	27	0
Lime oil	4	4
Mastich	2	0
Myrrh	49	*3
Orange oil	4	0
Orange-peel	20	3
Pareira brava	4	0
Puree	4	0

	Offered	Sold
Rhubarb—		
China	39	8
Ch. Rhap. (bgs.)	50	0
Saffron	1	0
Salep	1	0
Sarsaparilla—		
Grey Jam	29	29
Lima-Jam.	11	11
Native Jam.	18	14
Seedlac	70	0
Senna and pods—		
Alex.	26	12
Tinnevelly	88	24
Simaruba-bark	15	0
Squill	14	14
Strophanthus	8	0
Tamarinds (W.I.)	20	0
Tonka-beans	15	0
Tragacanth	85	85
Turmeric	389	0
Turtle, dried	2	0
Wax (Bees')—		
Australian	1	0
China	23	0
East African	50	24
East Indian	126	*43
Jamaica	4	4
Morocco	22	0
Syrian	2	0
West Indian	3	3
Wax, Veg. (Carnauba)	4	4

* Sold privately.

Aloes.—Cape, which is arriving in fair quantity, was neglected, but where sold prices were steady. Five cases of fair hard part drossy sold at 38*s.*, and for two cases ordinary softish 36*s.* was paid on the usual 20 per cent. tares; for fine bright hard 40*s.* 6*d.* was refused. The value of good hard Socotrine in kegs is 60*s.*, and for fair liver soft in centres 55*s.* has been paid. Nine barrels of Curaçao in gourds sold at 41*s.* for unsorted good liver to part capey mixed, being cheap.

The exports from the Union of South Africa during December amounted to 65,662 lb., against 39,424 lb. in 1912. The twelve months' exports were 702,958 lb. (8,003*l.*), against 798,482 lb. (8,456*l.*) in 1912.

Annatto-seed.—Four cases of ordinary Ceylon had been sold privately, and ten bags common bricky realised 1½*d.* per lb.

Asafetida.—New imports from the Persian Gulf were offered, the quality mostly consisting of good to middling, with a little fine. A very fair quantity—about 250 packages—sold at cheap rates, including good fair pinky and almondy block, 77*s.* 6*d.* to 80*s.*; brown blocky and almondy gum, part loose, 77*s.* 6*d.* to 80*s.*; fair ditto, 75*s.*; pale blocky to loose almonds, 77*s.* 6*d.*; ditto, but more blocky, 67*s.* 6*d.* to 70*s.*; soft and almondy blocky, 65*s.*; false-packed heavy pinky block, 62*s.* 6*d.* to 65*s.*; poor brownish heavy sandy block, 50*s.* to 55*s.*; very heavy pinky made-up block, 45*s.* subject; pinky and sandy heavy block, 45*s.*; heavy pinky block in tins, 40*s.*; low sandy, 30*s.* Ten cases sold without reserve at from 15*s.* to 16*s.* for inferior pale paste.

Benzoin.—Firm. Four cases common broken Sumatra thirds sold without reserve at 5*l.* 5*s.* per cwt. subject to sellers' approval. Nine cases of streaky thirds had been sold privately—the limit for this quality is 6*l.* 7*s.* 6*d.*, a recent advance of fully 20*s.* on this description. For good fair almondy seconds 8*l.* was wanted, and fair 7*l.* 5*s.* to 7*l.* 10*s.* For very inferior thirds a bid of 92*s.* 6*d.* was refused, 95*s.* being wanted. Fair Palembang seconds in tins was limited at 75*s.* per cwt. Eight cases of fair Sumatra seconds had been sold privately at 7*l.* 15*s.*

Buchu.—Quiet. A single bale of yellowish and stalky rounds sold at 3*s.* 6*d.* Three bales of round have been sold privately. The value of clean green was 5*s.* 4*d.*; fair was obtainable at 5*s.*, and clean but yellow at 4*s.* 10*d.* per lb.; fair green longs, slightly stalky, were offered at 4*s.* 8*d.*, and dull bronzy at 4*s.* 4*d.* The *Kenilworth Castle* has brought 11 packages.

The exports from the Union of South Africa during December amounted to 13,694 lb. (2,354*l.*), against 6,066 lb. (1,035*l.*) in 1912. The twelve months' exports were 163,812 lb. (32,071*l.*), against 223,021 lb. (38,264*l.*) in 1912.

Calumba.—Very scarce. Twenty bags fair washed pickings were limited at 17*s.* 6*d.* Privately, bold washed is worth 25*s.*, which has been paid. Sorts do not appear to be available in first-hands.

Cannabis Indica.—Two cases true Bombay tops were limited at 7*s.*, and two cases common loose African at 1*s.* 9*d.* The *Mantua* has brought 22 cases from Bombay.

Cardamoms sold at about steady rates, seeds being firm and wild native cheaper. The following rates were paid: Ceylon-Mysore, extra bold fine pale, 5*s.* 10*d.* to 6*s.* 1*d.*; bold fine pale, 5*s.* 3*d.* to 5*s.* 4*d.* Fair bold and medium ditto palish to pale, 5*s.* to 5*s.* 1*d.*; small and medium 4*s.* 3*d.* *Splits*, fine pale bold, 4*s.* 9*d.*; bold, 4*s.* 4*d.*; ordinary to fair brown split and pickings, 3*s.* 6*d.* to 3*s.* 7*d.*; tiny, 3*s.* 2*d.*; *seed*, 4*s.* 6*d.* to 4*s.* 9*d.*; native wild, small to medium, 3*s.* 2*d.*

Coca-leaves were cheaper. 17 cases of fair greenish stout Ceylon-Huanuco selling without reserve at 5¾*d.* per lb., and for 11 cases 4*d.* to 5½*d.* per lb. subject was paid for middling greenish.

The exports from Java to Europe during February 1914 amounted to 2,199 packages, against 2,790 packages in 1913. The total shipments for the first two months of the year were 6,554 packages, against 7,190 packages in 1913.

Cocculus Indicus.—Fifty bags fair were limited at 9*s.* 6*d.* per cwt.

Croton-seed.—Nine bags fair bright Ceylon were bought in at 65*s.*, and for a further 12 bags 35*s.* was refused; the value is about 55*s.* The *Nellore*, from Colombo, has brought 44 bags.

Cuttlefish-bone.—Fifty bales of fair bold E.I. sorts were limited at 3¼*d.*, at which business has been done privately.

Dragon's-blood.—Four cases of middling to fair Singapore lump sold at from 6*l.* 10*s.* to 8*l.* per cwt.

Elemi.—Nine cases sold at 35*s.* per cwt. for fair Manilla paste, being 2*s.* 6*d.* cheaper.

Eucalyptus Oil.—Ten cases (69 to 70 per cent. eucalyptol) sold at 1*s.* 4*d.* per lb., 16 cases more being available at this figure.

Honey, mostly of old import, was forced off at lower prices, including 23 packages Jamaica, comprising good pale set in barrels at 30*s.*, fair to good brown liquid 24*s.* 6*d.* to 26*s.* 6*d.*, common dark to dull set 22*s.* to 26*s.* 6*d.* Twenty cases Salvador fair brown to amber liquid sold at 29*s.* 6*d.*, and 17 tierces Cuban at from 23*s.* to 30*s.* for brown to good pale.

Insect-wax (Chinese).—A rare article on this side was bought in at 6*l.* 5*s.* for seven bales.

Ipecacuanha.—The chief interest centred in the offering of the new lot of 38 bales East Indian, which met with a quick sale at an average advance of 4*d.* per lb. Prices opened unchanged at 8*s.*, and steadily rose by pennies as the sale proceeded, to 8*s.* 5*d.*, then 8*s.* 8*d.* to 8*s.* 9*d.*, one bale, the "pick of the bunch," going at 9*s.*; three bales siftings sold at 7*s.* 6*d.* to 7*s.* 7*d.* The quality varied somewhat, some of the poorest lots, for which 8*s.* 5*d.* was paid, showing small root. The average price paid was 8*s.* 4*d.*, which compares with 8*s.* to 8*s.* 1*d.* at the last auction in November. Naturally Matto Grosso was in the background to-day, only one bale being disposed of at 8*s.* subject for fair; a bid of 8*s.* is to be submitted for fair bright. Most of the Cartagena offered was held at 6*s.* 10*d.* to 7*s.* per lb.

Jalap.—Three bales, testing 9.4 per cent. (Harrison), sold at 9*d.* per lb. net, and gross for net.

Kola.—A single bag of fair dried St. Lucia halves sold at 3¼*d.*

Lime-juice.—Two puncheons of nice pale green raw West Indian were bought in at 1*s.* 9*d.*, a bid of 1*s.* 6*d.* being refused.

Lime Oil.—Three cases good West Indian distilled 1*s.* 10*d.* was paid, a single case of hand-pressed going at 8*s.* 6*d.*

Myrrh.—Quiet. Three cases small dark Aden sorts had been sold at 55*s.* The value of good native-picked Aden is 70*s.* per cwt., with mixed sorts offering down to 60*s.*

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RANGE-PEEL.—Small sales of fair thin-cut Tripoli strip e been made at 1*s.* 6*d.* per lb. In auction 3 bales of nary dull strip sold at 1*s.* 4*d.*, and for good 1*s.* 6*d.* wanted.

HUBARB.—Quiet. A single case of Shensi small round trimming root with three-quarters fair pinky frac- sold at 4*s.*, and for a case of Shensi trimmings and ings, part rough, 2*s.* was paid. Two cases of medium ooold flat High-dried, with three-quarters fair pinky ture, sold at 1*s.*, being steady, but 2 cases of small nedium round horny High-dried, with three-quarters pinky fracture, realised 9*d.*, being about 2*d.* cheaper. medium to bold round Shensi 4*s.* 3*d.* was wanted, 3*s.* 6*d.* for bold to extra bold round Canton. The vals comprise 42 cases from Shanghai.

ARSAPARILLA.—Grey Jamaica being in better supply, at a reduction of fully 2*d.* per lb., 25 bales realising n 1*s.* 10*d.* to 1*s.* 11*d.* for fair to good fibrous, and 9*d.* for rough. In another interest 4 bales of ordinary gh sold at 1*s.* 8*d.* Eleven bales Lima-Jamaica were n at 1*s.* 7*d.* for fair, part roughish, and 1*s.* 6*d.* for damaged. Native Jamaica, which was in fair supply, about ½*d.* dearer, 15 bales selling at 11*d.* to 1*s.* for red, 1*s.* 1*d.* for good red, and 10*d.* for ordinary ish.

ENNA.—Quite unimportant supplies of Tinnevelly ed, 22 bales selling at from 1¼*d.* to 1½*d.* for inferior owish leaf. A single bale of bold greenish leaf sold *d.*, and three bales of middling ditto at 2¼*d.*, partly ject. *Pods* sold 1*d.* to 1¼*d.* for damaged. A bale of palish Alexandrian pods sold at 1*s.* 6*d.*, and for four s of dark Mecca, part torn, 3*d.* was paid; a further bales of oil-damaged ditto sold without reserve on erwriter's account at 1*d.* per lb.

QUILL.—Six bales of nice pale sold at 22*s.* 6*d.*, and t bales at 12*s.* per cwt. for common reddish.

AMARINDS.—East Indian are scarce on spot and firmly l, while West Indian are quiet, with the new crop shortly. In auction 20 barrels of fair Barbados were ted at 17*s.*

ONKA-BEANS.—For a barrel good frosted Angostura 6*d.* was wanted.

URMERIC.—Fair to good Madras finger was offered at to 17*s.*, and Bengal finger at from 13*s.* to 14*s.*, as to lity. Cochin split bulbs were held at 13*s.*; privately, 6*d.* has been paid for fine Madras finger. Although stock of turmeric is heavy, good and fine qualities are plentiful.

VAX, BEES'.—Jamaica dearer, four packages selling at 2*s.* 6*d.* for fair red to dark brown mixed. Three cases st Indian sold at 8*l.* for fair block. The chief sale 24 packages East African, which realised from 8*l.* to 5*s.* for good even yellow. Forty-three bags un- ached Bombay had been sold privately; bleached cutta was limited at from 8*l.* 12*s.* 6*d.* to 8*l.* 15*s.* per .

Manchester Chemical Market.

March 3.

There was a very small attendance at the chemical- rket to-day, and opinions are divided as to whether there any great advance in the trade during the past month, ecially on export account. Sulphate of copper has per- s experienced the least result, and closes at 22*l.* 10*s.* to . 12*s.* per ton, delivered Manchester. Heavy chemicals nain steady; 97-per-cent. caustic soda is 10*l.* 17*s.* 6*d.*; am caustic, 8*l.* 12*s.*; soda-crystals, 42*s.* 6*d.* in bags, and . 6*d.* per ton in barrels; bicarbonate of soda, in 1-cwt. s, 5*l.*; white powdered arsenic is 7*s.* 6*d.* per ton higher the month; caustic potash, 75 to 80 per cent., 16*l.* 17*s.* 6*d.*; ontreal potashes, ex store Manchester, 38*l.* per ton; phos- ate of soda, 19*l.* 10*s.* per ton; yellow prussiate of potash, *l.*, and prussiate of soda, 4½*d.* per lb.; Glauber salts. . 6*d.* per ton; saltcake, 42*s.* 6*d.* per ton; sulphate of c, 9*l.* per ton; refined soda-ash, 4*l.* 17*s.* 6*d.* to 5*l.* 10*s.* t ton. There is not much change in other heavy emicals. Coal-tar products have been rather variable; nzols are 1*d.* to 1½*d.* per gal. lower; crude naphtha changed.

Heavy Chemicals.

The position of affairs in the heavy-chemical market con- ues at all the principal centres much the same as lately ported, business being of fair volume, but mainly con- fined to prompt or early forward requirements. Values do not show much fluctuation, and, generally speaking, are on the steady side.

SULPHATE OF AMMONIA.—The position in this market is probably best described as quiet and rather uncertai There has been a good demand on prompt account, though for the moment it is rather lower, and there is practically nothing being done on later forward. Buyers wish to pur- chase at considerably lower figures forward, while sellers are not willing to make more than a nominal allowance. Present nearest figures, which may be considered as for March-April delivery, are: London, 25-per-cent., 11*l.* 17*s.* 6*d.*; Leith, 12*l.* 15*s.*; Liverpool, 12*l.* 12*s.* 6*d.* to 12*l.* 15*s.*; and Hull, 12*l.* 10*s.* to 12*l.* 12*s.* 6*d.*

BENZOLS are steady, with a fair demand particularly against previous sales. Present naked prices: 90 per cent., 1*s.* 1*d.* to 1*s.* 1½*d.*; and 50 per cent., 11½*d.* to 1*s.*; North, respectively, 11*d.* to 11½*d.*

LEAD-PRODUCTS maintain a very steady tone, and are in fair movement. White-lead, 26*l.*; red-lead, 21*l.* 15*s.*; and pig-lead, 20*l.* 10*s.* per ton, Tyne. White acetate of lead, 26*l.* 10*s.* to 27*l.* 10*s.*; brown acetate of lead, 25*l.* to 26*l.*; and nitrate of lead, 30*l.* 10*s.* to 31*l.* 10*s.*

Menthol and Mint Oil.

The officially declared exports of menthol from Japan during December 1913 were 32,584 kin, valued at 247,307 yen. The complete returns for the past three years are as follows:

	1911	1912	1913
Kin	113,646	133,170	232,912
Yen	963,220	1,589,729	2,872,854

The destination of exports during the past three years was as follows:

	1911 Kin	1912 Kin	1913 Kin
British India ...	8,719	8,027	10,448
Great Britain ...	25,129	39,624	63,441
France	7,801	12,289	28,469
Germany	39,825	45,261	79,102
U.S.A.	28,046	25,674	41,461
Other Countries ...	4,126	2,295	9,991
Kin	113,646	133,170	232,912
= Cases ...	2,525	2,959	5,175
Yen	963,220	1,589,729	2,872,854

The exports of *menthol* during December amounted to 44,788 kin, valued at 129,241 yen; this brings the total for the year to 282,115 kin (or 6,269 cases), against 184,885 kin (or 4,108 cases) in 1912 and 172,368 kin (or 3,830 cases) in 1911.

BANKRUPTCY REPORT.

Re Alfred Henry Jesser, lately trading at Salisbury House, London Wall, E.C., Chemist and Druggist.—A sitting for the further public examination of this debtor was held before Mr. Registrar Hood at the London Bankruptcy Court on February 26. The last hearing was reported in the *C. & D.*, February 7, p. 42. Mr. W. P. Bowyer, Official Receiver, reported that he had received an amended cash account from the debtor explaining the deficiency to some extent, but the account was still far from satisfactory. Examined by Mr. Bowyer, the debtor said he had been living at the rate of 8*l.* per week, instead of 4*l.* as he had previously stated. He had made losses on the Stock Exchange to the extent of about 250*l.*, but that was several years ago. No record had been kept of those transactions. He had paid a considerable amount of ready money for goods as they were delivered. In the absence of proper books of account, it was very difficult for him to explain everything, and there was still a balance of 64*l.* for which he could not account. In April last his stock and fittings were sold for 183*l.* under a distress for rent, and they were bought by a friend, who formed the business into a company under the style of Jesser, Ltd. Witness had nothing to do with the promotion of the company, but was appointed manager at a weekly salary of 4*l.*—He assigned the lease of the premises to the company. The rent due at the time of the distress was 395*l.* Re-examined by Mr. Bertie, who appeared on his behalf, the debtor said the rent of the shop was very high, and the lease had almost expired. He had disclosed the whole of his assets, and had not secreted a single shilling. The examination was concluded.

PERSIAN CUMIN-SEED.—The exports from Bushire, Persian Gulf, during the year 1912-13 amounted to 344 bags (27 tons) to India.

Correspondence

Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Proprietaries in Insurance Prescriptions.

Sir,—I must cross swords with "Xrayser II." upon his second paragraph on p. 69 of your issue of February 28. He, together with Insurance Committees, seems to want to throw upon Pharmaceutical Committees the onus of saying whether such a preparation shall or shall not be prescribed. It has been my lot to be in close personal touch with the prescriptions of a County Insurance area during the last twelve months, and long before the Pharmaceutical Committee had statutory powers anything abnormal was brought to my notice. So far from the Committee wishing to enforce substitutes, the reverse has been the case, and preparations have been admitted which certainly do not add to the dignity of the profession prescribing them. The total number of prescriptions with which I am dealing is 732,405, and the drug-bill amounted to 21,591*l.* 0*s.* 3½*d.* up to January 12. My chief point is this: There is the temptation to medical men to try remedies not thoroughly proven at the expense of Insurance funds in a way that would not be dreamt of in private practice. When Insurance Committees have endeavoured to go upon a broader basis and allow the medical men a more or less free hand in prescribing, upon the advice of their Pharmaceutical Committees, what is the outcome? The prescribing of proprietary preparations is leaping up in bounds. My own area will soon become a nursery for special preparations. Would "Xrayser" defend the following:

Five hundred tablets (special maker) ordered on first prescription of patient.

Mist. tussi rub. (special maker).

Preparations of a chemist near to a doctor, obviously copies of wider-known preparations.

I could multiply this list fifty-fold, and shall be pleased to place the list at the disposal of "Xrayser." Again, as regards treatment with sera. We have two distinct schools, for and against, and the medical men themselves decided that they should not be admitted. The chemists were willing to admit them, but seeing the decision of the doctors themselves the chemists agreed to abide by this. This brings me one step further. Commercial travellers are human, and can we blame them for bringing to the notice of medical men that their county recognises such-and-such a preparation, and encouraging them to order it? My county contains large rural areas, and I see by figures before me that the medical men have made up medicines for 54,020 insured persons at a cost of 3,961*l.* 18*s.*, representing 1*s.* 6*d.* per head. I wonder how many of the preparations for which "Xrayser" is sticking up were dispensed for that number by the medical men. I doubt very much if I shall be able to find 500 tablets at one go among them. I think I have said sufficient to show that, while we all admire the *C. & D.* for sticking up for straight dealing in prescribing, as well as in other matters, there is another side of the question to be taken into consideration. I may assume, I think, that "Xrayser" does not live in Stoke-on-Trent area or he would assuredly have toned down his remarks.

Yours truly,

M. P. S. (145/9.)

Companies and Chemists.

Sir,—My best thanks are due to Mr. Hugo Wolff for so ably confirming my case. Let us see how he does it. We will accept his figures, which assert that for every limited company's shop there are eight private pharmacies. Out of a committee of seventeen, two members directly and solely represent companies and seven the local Associations of England and Wales. This works out at $2+(\frac{1}{9}$ of $7)=2.77$ company representatives, as against $\frac{8}{9}$ of $7=6.22$ private pharmacist representatives; a ratio of 1 to $2\frac{1}{4}$ (roughly) on the Committee, to match a ratio of 1 to 8 (on Mr. Wolff's figures) in the country. Correcting Mr. Wolff's evident misstatement, what he meant to say, I take it, was:

"Therefore, two special members on an executive of seventeen may fairly be described as excessive."

It is extraordinary that so serious a slip should go unnoticed by one who on his own showing is a specialist in "insight." One feels inclined to leave his next point alone. It is altogether too good to spoil. Let us look at it again and go. The companies have been our mortal enemies for years, as the Act of which I spoke, if proof were needed, proved. At last public opinion is brought round to our side; the enemy is "dangerously wounded" (as Mr. Wolff tacitly admits), but no truce has been called, no terms drawn up; there is fight (and plenty of it) "in the old dog yet." Therefore must we with "Anglo-Saxon" sentimentalism pity the poor enemy, and stroke him, and coddle him generally! I would ask Mr. Hugo Wolff (who is evidently an authority on what is "Anglo-Saxon") whether such a policy would be typical of a wise and courageous race?

There is a point which demands more serious consideration and if possible a very flat contradiction. It is this: that because the companies are weak in the country they must be strong on the Committee. To such a *reductio ad absurdum* does Mr. Wolff's point come. Such a notion is the very negation of representative government. Like certain bacteria, it needs only daylight for its extinction. Finally, does he think the public would stand a system under which the doctor did all the dispensing? Obviously they would not. Mr. Wolff's "insight" has evidently no reference to the community at large. To have "insight" would appear to be synonymous with "being unable to see the wood for the trees." Mr. Wolff has not, indeed, touched my main points. His abstention, I trust, is due to no Anglo-Saxon "softness" on his part? I feel, and have always felt, the force of "Xrayser's" criticisms. To be sure, the question is, How? But if only we can (1) maintain and improve our position with reference to public opinion, and (2) convince all pharmacists of the necessity of fighting the companies, can it be doubted that the battle will be won, and the how and why made clear?

I am, Sir, yours, etc.,

Chester. R. Cecil Owen.

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

Profitless and Unprotected Proprietaries.

"I should like to ask every pharmacist who reads this letter to refuse to give an address-label to travellers and advertising agents representing firms who run unprotected lines. A straw will show which way the wind blows, and if these men failed to get a single label in the big towns of Great Britain, the wind would be very much in the east and they would catch a cold. I have this week been visited by a representative of certain pills, who badly wanted a slip-label; he got all he deserved, but no label. Next week we are promised a visitation from the representative of another pill-maker, whose prices and terms ('carriage forward') leave the retailer out of pocket to the extent of the carriage he has to pay on the goods he buys. I am not a benevolent fund, so he will get nothing from me. Let every pharmacist give these and all similar firms his candid opinion of their business methods, refuse to touch their advertising matter, and see that they do not use his name by means of a slip-label in their reports."—*Midland Pharmacist* (147/5).

Other letters are in type waiting room for insertion.

Insurance Dispensing Queries.

Price of Emp. Calefaciens.—*W. T. C.* (146/68).—A piece in. by 6 in. should be charged 3*d.*

Salicylic Plasters.—*Aspirin* (143/57).—For salicylic plaster ot prepared extemporaneously) charge cost *plus* one-third, d add dispensing-fee of 6*d.* (*C. & D. Diary*, 1914, p. 231).

Cod-liver Oil with Hypophosphites.—*Radix* (140/4).—rtainly, a dispensing-fee (3*d.*) should be charged on "ol. orrhuæ c. hypophos. Oj.," in addition to charge for aterials.

Opium Plaster.—*L. R. D.* (144/31).—For emp. opii, in. by 6 in., spread on leather, charge for materials np. opii ʒj. ʒj. (cost 4*s.* lb.) 5*d.*, plaster-skin (7 in. by 7 in.) *l.*], and add dispensing-fee 6*d.*—a total of 1*s.* 1½*d.*

Intermediate Quantities.—*H. C.* (144/30).—The price of drachms of an article which is tariffed at 4*d.* an oz. is *l.*, and of 7 drachms 3½*d.*, which prices are respectively e-eighths and seven-eighths of the ounce price. It is not, a rule, advisable to arrive at such charges by adding gether—*e.g.*, the prices of 3 drachms and 2 drachms—t to take the fraction as the factor.

Acne Vaccines.—*R. T. F.* (144/72).—The English Commisners have ruled that "vaccines and similar preparations ay be supplied by the practitioner attending the insured rson." See *C. & D. Diary*, p. 232. This is the most thoritative statement, and is not binding upon the Scottish mmissioners, but each Insurance Committee is at liberty decide for itself, so that you should make inquiry as to custom in your own district.

Drug-store Dispensing.—*Dee* (141/37) is a registered emist, but trades as a drug-store, and does not sell poisons retail. He, however, dispenses Insurance prescriptions, d is on the panel for that purpose. He asks if his certifie should be exhibited in the shop. [It is clear that is carrying on the business of a chemist at the shop ere he dispenses Insurance prescriptions, and one conion of his being on the panel is that he shall carry on business in accordance with the Poisons and Pharmacy t, 1908; therefore his certificate of qualification should exhibited in the shop.]

Legal Queries.

ne majority of difficulties in regard to trade law are anticipated by the legal information printed in "The Chemist and Druggist Diary," 1914. See especially pp. 459-499.

. R. (142/27).—You do not tell us whether or not the adache and neuralgia powders consist of an entire drug are a composition. If the latter, it is illegal for you to trial packets for three penny stamps unless each packet rs a 1½*d.* medicine-stamp. If the powder consist of an ire drug they do not require to be stamped, no matter at the price may be at which they are sold.

. P. (145/29).—There is nothing to add to what is said he *C. & D. Diary*, p. 499, regarding the sale of spirituous dicines, except that the Board of Customs and Excise does interfere with the sale of medicines by unqualified sons. It is not to the interest of others to insist upon ct interpretation of the eighteenth-century concession "physicians, apothecaries, surgeons, and chymists."

. B. H. (139/17).—The Board of Customs and Excise has given general permission for the sale of any wines taining quinine other than vin. quininæ, B.P. The meat-malt wine to which you refer may have been approved the Board for sale when it contains 1 grain of quinine phate or other salt per fluid ounce, and on that point manufacturers of the wine may be able to give you cise information.

. F. Y. (146/69).—"Chemists are not compelled by law produce their poison-book to the police or any other son."—This is from the *C. & D. Diary*, p. 475. If a gistrate or other judge requires evidence in regard to sale of poison he should subpœna the chemist as a wits, but the chemist would be unwise to say more than answer the questions put to him by the presiding magiste or judge, and to him only should the poison-book be wn in the court.

. B. H. (144/59).—The sale of draughts of medicinal parations is outside the charge of medicine stamp-duty, ause they are not sold in an enclosure *sui generis* with ottle or other container specified in the Medicine-stamp , 1812. This holds good even when you have showcards he window beside specimens of the draughts, such as: dose in time saves nine. Step in and tell us your feelings. We have something for every ail. Our 3*d.* draughts are the best. Quick, safe, sure, and certain. Blood-troubles; irritation of the skin, etc. Leave your headache here. Back and kidney troubles. Toothache, neuralgia, and all nerve pains." If at any time sold by the bottle each bottle has to be stamped according to its value.

M. P. S. (London) (141/30) wants to know whether it is legal to dispense S.V.M. in doctors' prescriptions, such as the following example:

Liq. plumbi sub. ft.	ʒij.
S.V.M.	℥ss.
Aq. dest. ad	℥vj.

[In *The Chemist and Druggist Diary*, p. 498, is a paragraph regarding the dispensing of liniments and lotions containing mineralised methylated spirit. Last year the Board of Customs and Excise granted permission to chemists, whether licensed to retail methylated spirit or not, to use mineralised methylated spirit for prescriptions of medical men under the conditions mentioned in the *Diary*. This concession was confirmed by a General Order issued after our *Diary* went to press, but included in a reprint inserted in each copy of the *Diary* distributed at home. See also the *C. & D.*, November 22, 1913, p. 772.]

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

J. O. E. (127/47).—Sycosis or "Barber's Itch."—If there is no doubt about the diagnosis, strong bactericides and irritants are indicated. The crust is removed, and epilation of most of the hairs having been effected, ung. hydrarg. nit. is rubbed in, or a lotion is applied consisting of solution of mercury perchloride (gr. x. to 1 oz.). In case of over-reaction boric ointment is applied. The treatment is considered in detail in "Pharmaceutical Formulas," p. 79.

Warwick (130/29).—Medical Applications of Electricity. These were treated fairly completely in an article in *The Chemist and Druggist Diary, 1911*, the bibliography attached being as follows: Lewis Jones's "Medical Electricity" (Lewis, 10*s.* 6*d.*); Pusey and Caldwell's "Röntgen Rays in Therapeutics and Diagnosis" (W. B. Saunders, 12*s.* 6*d.*); Freund's "Elements of General Radio-Therapy" (Rebman, 8*s.* 6*d.*); Guilleminot's "Electricity in Medicine" (Rebman, 17*s.*).

Biblio (130/20).—Cleaning Old Parchment Bookbindings. These are rubbed with a pledget of cotton-wool soaked in benzene to remove grease and dirt. If this is not sufficient, vinegar is employed, in which case care must be taken not to dry the parchment too quickly, or it becomes very hard and curls in a manner that makes it difficult to handle.

S. E. (130/46).—The formula for the proprietary medicine to which you refer has never been published, so far as we are aware.

D. K. (Japan) (132/17).—Dyeing Ivory.—The ivory must be quite free of grease, this being brought about by soaking in benzene, drying, and then bleaching by successive immersions in solution of potassium permanganate and sulphurous acid. The ivory can then be stained by boiling for some time in a clear solution of aniline red, picric acid, potassium bichromate, iodine green, sumac, or any water-soluble aniline dye of the desired colour.

J. W. & S. (130/50).—Preparing Oilskin Coats.—The rough process is to soak these with linseed oil or boiled oil, and allow to dry. The better kinds of oilskins are prepared by using a mixture of poppy oil (3 parts) and copal varnish (1 part). The poppy oil can be made to dry more rapidly by the use of a siccative. The mixture referred to is sparsely applied, but the application is repeated several times as the previous coating dries. A thin copal-varnish can be used as the final application.

Camel (130/24).—(1) Vinegar-plant.—The "vinegar-plant" or "mother of vinegar" is the gelatinous ferment which has the power of oxidising weak alcohol into acetic acid. The usual method of preparing "home-made" vinegar by means of the "vinegar-plant" is to introduce a membrane into a solution of cane-sugar. The pure ferment

has no action on this sugar, but the ordinary impure ferment used contains yeast-cells, and these invert and ferment the sugar, so preparing alcohol for conversion into vinegar by the acetic ferment. (2) Cleaning Corks.—The cleaning of second-hand corks for re-use for rough purposes is carried out by soaking the corks in weak hydrochloric acid, and then adding solution of sodium hyposulphite. The corks are then washed and treated with a solution of washing-soda, and finally with clean water. In the case of greasy or oily corks it is necessary to boil with washing-soda solution first.

J. B. W. (132/72).—Colouring Walking-sticks.—The process of colouring throughout the wood of walking-sticks is doubtless accomplished by the vacuum process to which you refer. The wood is previously steamed to expand the pores, the exhaust-pump is then set to work, and finally the colour in solution is run in. Soluble aniline dyes or chemical solutions are probably employed, as these more readily penetrate the cells.

P. L. (Turin) (132/71).—"Pharmaceutical Formulas" (Office of *C. & D.*, 10*s.*) gives most of the recipes about which you inquire, and many others as well.

H. S. (135/13).—We are not quite certain what you require when you write for "a recipe for preparing a backing suitable for the slides of a cinema—one that can be washed off with water." We shall be glad if you will explain.

Verbal (174/32).—(1) Confectionery Colours.—The following is a list of aniline colours employed in confectionery: *Reds.*—Rhodamine, magenta, rhodites, cherry-red, ponceau red, aniline vermilion, rose red. *Yellows.*—Saffron yellow, primrose yellow (auramine), imperial yellow, citron orange. *Brown and Black.*—Chocolate brown, jetoline black. *Violet.*—Heliotrope, lavender, damson blue (mixtures of Hoffman's violet). In regard to the supply in liquid form, you will find it more convenient to supply the paste form. The basis of the paste consists of dextrin (6 oz.) made into a paste with hot water (4 oz.). Milk-sugar and starch are also used for the powder form of confectionery colours. A few experiments will give you the proper proportions of colours to employ, remembering that as a rule the aniline colours have great colouring powers. (2) Cambridge Sausage-seasoning.—The following is the formula for the seasoning employed in these sausages:

White pepper	6 lb.
Rubbed sage	½ lb.
Cayenne pepper	½ oz.
Ground nutmeg	½ lb.
Ground mace	½ lb.
Salt	9 lb.

The complete recipe for the sausages, which will show the proportion in which the seasoning is employed, is as follows:

Lean pork	12 lb.
Fat pork	6 lb.
Scalded rice	3 lb.
Sausage-meal	3 lb.
Food-preservative	2 oz.
Seasoning	10 oz.

(3) Tobacco Amblyopia.—The symptom of this is mistiness of the sight, and by means of the perimeter an area of the retina can be shown to have lowered colour-perception and vision. Total abstinence from tobacco is the best treatment.

Beeswax (75/1).—(1) Bill-posters' Cold-water Paste.—The powder employed for cold-water paste is made as follows:

Wheat-flour	84 parts
Powdered caustic soda	8 parts
Ammonium sulphate	8 parts

Mix. When required for use water is added.

The ammonium sulphate is added with the intention of neutralising the effect of the caustic alkali on coloured papers. (2) Dry-shampoo Powder.—See *C. & D.*, April 19, 1913, p. 66.

A. E. M. (128/74).—Solid Brilliantine.—A formula for this was last given in the *C. & D.*, March 1, 1913, p. 68. Another recipe with a palmitin and paraffin basis was published in the *C. & D.*, August 19, 1911, p. 53.

W. S. (121/42).—Books for Students.—We gave in the Educational Number (August 16, 1913) a list of the books best suited for students preparing for the Minor, to which you should refer for the information you ask.

Pinto (140/27).—Otto of Rose is obtainable without the stearoptene, and in that condition it is always liquid. The same applies to oil of orris. The liquid preparations are much more expensive, but the stearoptene is odourless, and its removal does not in the least deteriorate the quality of the odour.

G. D. M. (125/11).—Small Stomach and Liver Pills.—Either of the following pills will suit your requirements:

1. Resin. podoph.	gr. ⅓	2. Resin. podoph.	gr. viij.
Aloin.	gr. ¼	Aloin.	gr. vj.
Pulv. aloes	gr. ⅙	Jalapin.	gr. vj.
Pulv. saponis	gr. ⅙	Capsicin.	gr. iij.
Ext. nuc. vom. ...	gr. ½	Pulv. ipecac. ...	gr. iij.
Pulv. zingib.	gr. ⅛	Ext. hyoscy. ...	gr. iij.
Ft. pil.		Ext. nuc. vom. ...	gr. iiss.
		Glyc. tragacanth.	q.s.
		Ft. mass. Divide in pilulas lx.	

The dose of these pills is "One or two at dinner-time or bedtime."

H. B. (145/26).—For Incontinence of Urine in a young man the following mixture may be tried:

Tr. belladonnæ	ʒiss.
Tr. ferri perchloridi	ʒiiss.
Aq. chloroformi ad	℥viij.

Dose: A tablespoonful in as much water thrice daily.

Pax (Paris) (139/31).—Whiting in Packets.—The preparation for whitening ceilings which is sold in powder form in packets is made as follows:

Paris white	560 parts
Zinc white	160 parts
Plaster of Paris	160 parts
White dextrin	39 parts
Gum arabic	16 parts
Borax	9½ parts
Alum	5½ parts

Mix well and pack into 1-lb. cartons. The directions are: Add a pint of boiling water to the contents of a packet, and thin the mixture to a suitable consistency with cold water.

R. B. H. (143/5).—Quick Polish.—This appears to be a resin-spirit preparation, probably made by dissolving resin in light resin spirt.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," March 15, 1864

The Pharmaceutical and the United Societies.

The following letters refer to the communication with the Pharmaceutical Society:

United Society of Chemists and Druggists,
20 New Ormond Street, London,
February 27, 1864.

Sir,—The Executive Committee of the United Society of Chemists and Druggists, having received from their different district committees resolutions strongly recommending the desirability of a friendly co-operation with the Pharmaceutical Society, with reference to the proposed new Medical Bill, have this day held a special meeting to discuss the same.

Having taken this matter into consideration, the Executive Committee are deeply impressed with the important results that would follow a general union of co-operation, conducted in a cordial and friendly spirit, with a view to obtain either an Act of Incorporation or an extended Pharmacy Act upon the following basis:

1. A recognition of existing interests.
2. The right of self-government secured by a full and fair representation of the entire trade.
3. The competency of all future candidates ascertained by a simple and inexpensive form of examination, but sufficient to secure the practical knowledge required.
4. That the chartered privileges of the Pharmaceutical Society are not in any way interfered with except by their consent.

In reference to the above, I have the honour to be instructed to inquire, through you, whether the Council of the Pharmaceutical Society are willing that a conference be held, when these propositions can be thoroughly discussed.

I am, Sir, your most obedient servant,
C. F. Buott, Secretary.

Elias Bremridge, Esq., Secretary and Registrar,
Pharmaceutical Society of Great Britain.

Pharmaceutical Society of Great Britain,
17 Bloomsbury Square, W.C.,
March 2, 1864.

Dear Sir,—I have laid your communication before the Council, and in reply I am instructed to inform you that they have now under consideration an amended Pharmacy Bill, which will be submitted to the special general meeting of the members of this Society on the 17th instant, and which the Council believe will preserve the vested interests of chemists and druggists already in business and meet with general approbation.

I am, dear Sir, your obedient servant,
(Signed) Elias Bremridge, Secretary and Registrar.

Mr. C. F. Buott, 20 New Ormond Street, W.C.

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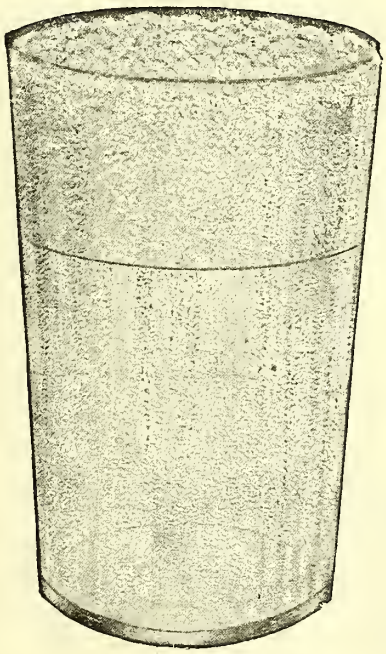

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The New Remedy in Amœbic Disease.—Vide *British Medical Journal*, Aug. 24, 1912, pp. 405–408.

Emetine for Hæmoptysis: Vide *Press Médicale, Paris*, Septemb r 24.—"The result is surprising, hæmorrhage from the lung ceasing at once."—Prof. C. FLANDIN.

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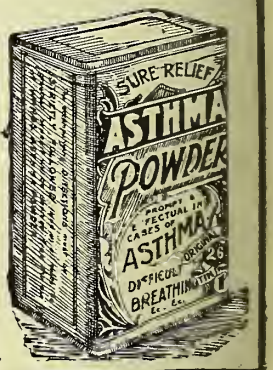

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. Rhei, E.I., Trimmed, 7 lbs. @ 5/3 lb.; 1 lb. @ 5/9 lb.
orcin, B.P., 7 lbs. @ 2/11 lb.; 1 lb. @ 3/2 lb.

Saccharine, ·550 or ·500, 7 lbs. @ 26/- lb.; 1 lb. @ 27/6 lb.; ·330, 7 lbs. @ 24/- lb.; 1 lb. @ 25/6 lb.
Sacchar. Ust., 1 cwt. @ 25/6 cwt.; 10 lbs. @ 4d. lb.
Saffron, Valentia, B.P., 7 lbs. @ 44/- lb.; 1 lb. @ 45/- lb.; 1 oz. @ 3/3 oz.
Sal. Acetos., 1 cwt. @ 5½d. lb.; 56 lbs. @ 6¼d. lb.; 7 lbs. @ 7d. lb.
Salicinum, B.P., 1 lb @ 16/6 lb.
Salol, B.P., 7 lbs. @ 2/0½ lb.; 1 lb. @ 2/4 lb.
Sang. Draconis, pulv., English ground, 1 cwt. @ 1/10½ lb.; 7 lbs. @ 2/0½ lb.
Santoninum, P.B., 7 lbs @ 111/6 lb.; 1 lb. @ 113/6 lb.
Sapo Cast. Alb., 10 cwt. @ 28/6 cwt.; 2 cwt. @ 30/- cwt.; 7 lbs. @ 4d.; pulv., 1 cwt. @ 65/- cwt.; 56 lbs. @ 63/- cwt.; 7 lbs. @ 8d. lb.; Animal pulv., 1 cwt. @ 70/- cwt.; 56 lbs. @ 72/- cwt.; 7 lbs. @ 9d. lb.
Scammony Resin, Pulv., B.P., 7 lbs. @ 4/- lb.; 1 lb. @ 4/5 lb.
Shellac (Orange) 1½ cwt. @ 82/- cwt.; 7 lbs. @ 10½d. lb.
Soda Caustica, 28 lb. tins @ 8½d. lb; 6 1-lb. bots. @ 10d. lb.
Soda Cit., B.P., 3 lbs. @ 2/9½ lb.
Sodii Salicyl. Pulv., 7 lbs. @ 1/5 lb.; phys. pur., 28 lbs. @ 2/1 lb.; 1 lb. @ 2/4 lb.
Soda Sulphite, Recryst., 1 cwt. @ 16/6 cwt.; 7 lbs. @ 4d. lb.
Soda Sulphocarbolas, B.P., 7 lbs. @ 11d. lb.; 1 lb. @ 1/1 lb.
Sodii Bromid., P.B., 1 cwt. @ 1/11½ lb.; 7 lbs. @ 2/1½ lb.
Soda Hyposulpbite, pea cryst., 1 cwt. @ 8/6 cwt.
*Spt. Æther Nit. P.B., 4½ lbs. @ 3/7½ lb.; 1 lb. @ 3/10½ lb.
*Spt. Ammon. Aromat., P.B., 5 lbs. @ 2/10 lb.
*Spt. Cbloroform, P.B., 5 lbs. @ 3/7 lb.
Strontiæ Bromid., 1 cwt. @ 1/8½ lb.; 7 lbs. @ 1/11 lb.; 1 lb. @ 2/2 lb.
Strycbnina cryst. B.P., 25 ozs. @ 1/7½ oz.; 1 oz. @ 2/- oz.; Hydrochlor. and Sulphate, 2d. oz. less.
Sugar of Milk, P.B., 1 cwt. @ 63/6 cwt.; 7 lbs. @ 8½d. lb.
Sulphonal, P.B., 1 lb. @ 9/6 lb.
*Syr. Aurant, P.B., 7 lbs. @ 9½d. lb.
* ,, Easton, B P., 7 lbs. @ 1/0½ lb.
* ,, Ferri Iodid. P.B., 7 lbs. @ 1/5 lb.
* ,, Ferri Phosph. Co., 7 lbs. @ 5½d. lb.
* ,, Hypophosph. Co. B.P.C., 7 lbs. @ 9½d. lb.
* ,, Pruni Virg. B.P., 8 lbs. @ 7½d. lb.
* ,, Rhamni, 7 lbs. @ 10½d. lb.
* ,, Rhei, P.B., 7 lbs. @ 8d. lb.
* ,, Scillæ, P.B., 7 lbs. @ 5d. lb.
* ,, Sennæ, P.B., 7 lbs. @ 8½d. lb.
* ,, Tolut, P.B., 7 lbs. @ 8½d. lb.

Thymol, 7 lbs. @ 7/8 lb.; 1 lb. @ 8/6 lb.
Tinct. Aurantii Recens, B.P., 5 lbs. @ 3/6 lb.; bond, 8¼d. Aquos, 10d. lb.
*Tinct. Belladon., B.P., 5 lbs. @ 2/11 lb.; bond, 6½d. Aquos, 1/- lb.
*Tinct. Benzoini Comp., P.B., 5 lbs. @ 3/6 lb.; bond, 9d.
*Tinct. Camph. Comp. P.B., 5 lbs. @ 2/5 lb.; bond, 6¾d. Aquos, 1/1 lb.
*Tinct. Cantharidis, P.B., 5 lbs. @ 3/9 lb.; bond, 6d. lb.
*Tinct. Capsici, B.P., 5 lbs. @ 3/3 lb.; bond, 6d. lb. Aquos. 10d. lb.
*Tinct. Card. Comp., P.B., 5 lbs. @ 2/8 lb.; bond, 7½d. lb. Aquos, 1/- lb.
*Tinct. Catechu, P.B., 5 lbs. @ 2/8 lb.; bond, 7½d. lb. Aquos, 1/- lb.
*Tinct. Chlorof. c. Morph., B.P., 1885, 5 lbs. @ 2/- lb.; bond, 1/6½ lb.
*Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/5 lb.; bond, 1/0½ lb. Aquos, 1/4 lb.
*Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/- lb.; bond, 10d. lb. Aquos, 1/2 lb.
*Tinct. Digitalis, B.P., 5 lbs. @ 2/8 lb.; bond, 6½d. lb. Aquos, 1/- lb.
*Tinct. Gelsem. P.B., 5 lbs. @ 2/10 lb.; bond, 6½d. lb. Aquos, 1/3 lb.
*Tinct. Gentianæ Comp., B.P., 5 lbs. @ 1/11½ lb.; bond, 7½d. lb. Aquos, 1/- lb.
*Tinct. Hyoscyami, B.P., 5 lbs. @ 2/5 lb.; bond, 7½d. lb. Aquos, 1/5 lb.
*Tinct. Iodi. B.P., 5 lbs. @ 4/4 lb.; bond, 1/8 lb.; decolor., 5 lbs. @ 4/8 lb.; bond, 1/5½.
*Tinct. Lavandulæ Comp., B.P., 5 lbs. @ 3/10 lb.; bond, 7¾d. lb. Aquos, 1/- lb.
*Tinct. Myrrhæ, B.P., 5 lbs. @ 3/9 lb.; bond, 9¾d. lb.
*Tinct. Nucis Vom., B.P., 5 lbs. @ 2/10 lb.; bond, 6d. lb. Aquos, 1/2 lb.
*Tinct. Opii. B.P., 5 lbs. @ 3/2 lb.; bond, 2/4 lb.
*Tinct. Opii Aquos., 5 lbs. @ 2/4 lb.
*Tinct. Quininæ Amm., B.P., 5 lbs. @ 2/7½ lb.; bond, 11d. lb.
*Tinct. Rhei Co., B.P., 5 lbs. @ 2/6 lb.; bond, 10d. lb. Aquos, 1/- lb.
*Tinct. Scillæ, B.P., 5 lbs. @ 2/6 lb.; bond, 7½d. Aquos, 10d. lb.
*Tinct. Senegæ, P.B., 5 lbs. @ 3/3 lb.; bond, 1/5½ lb. Aquos, 1/5½ lb.
*Tinct. Strophantb., *P.B., 5 lbs. @ 3/5 lb.; bond, 8½d. lb.
*Tinct. Valerianæ, 5 lbs. @ 2/8 lb.; bond, 6d. lb. Aquos, 1/- lb.
*Tinct. Valerianæ Ammon., P.B., 5 lbs. @ 3/1 lb.; bond, 8½d. lb. Aquos, 1/2 lb.
*Tinct. Zingib., P.B. 5 lbs. @ 4/- lb.; bond 6½d. lb.
*Tinct. Zingib. Fortior., 5 lbs. @ 4/3 lb.; bond, 10½d. lb.
Treacle (Black), casks about 5½ gross @ 42/- per cask; 24 lbs. @ 2d. lb.
Turpentine (Best American), 1 gal. tins @ 3/10 each; Venice, Genuine, 40 lbs. @ 1/4½ lb.; 9 lbs. @ 1/7 lb.

Ung. Acid. Boric, P.B., 28 lbs. @ 6d. lb; Flav. 28 lbs. @ 4½d. lb.
,, Acid Carbol., B.P., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; 1 lb. @ 11d. lb.
,, Gallæ, P.B., 7 lbs. @ 1/- lb.; 1 lb. @ 1/2 lb.; c. Opio, 7 lbs. @ 2/10 lb.
,, Hydrargyri, B.P., 28 lbs. @ 1/9 lb.; 7 lbs. @ 1/11 lb.
,, Hydrarg. Ammon., B.P., 28 lbs. @ 11d. lb. 7 lbs. @ 1/2 lb.
,, Hyd. Nit. Dil., 7 lbs. @ 10d. lb.
,, Paraff. Alb., P.B., 28 lbs. @ 7d. lb.; 7 lbs. @ 8d. lb.; 1 lb. @ 10d. lb.; Flav. 28 lbs. @ 5d. lb.; 7 lbs. @ 6½d. lb.
,, Resinæ, P.B., 28 lbs. @ 10d. lb.; 7 lbs. @ 11d. lb.
,, Sulphuris, B.P., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.
,, Zinci Oxid., Benz. B.P., 28 lbs. @ 8½d. lb.

Wax, Japan, 2 cwt. @ 56/- cwt.; 7 lb. @ 7½d. lb.

Zinci Oleat. Powder, B.P.C., 7 lbs. @ 2/- lb.
Zinci Oxid., Whitest and Lightest, B.P., 1 cwt. @ 38/- cwt.; 28 lbs. @ 5d. lb.; 7 lbs. @ 6d. lb.
,, Sulph., pure, 1 cwt. @ 18/- cwt.; 28 lbs. @ 2½d. lb.
,, Sulphocarbolas, B.P., 7 lbs. @ 11d. lb.; 1 lb. @ 1/1 lb.

inimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.
TE.—Only terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers.
Goods carriage forward; all packages free; Export cases extra.

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Used in all the Principal Hospitals throughout the World.

LYSOL is not a sticky coal-tar Disinfectant composed of crude carbolic acid and unrefined cresols, but an absolute cleansing antiseptic and disinfectant. It forms a clear solution with soft or distilled water, and has a solvent action on grease and mucus. For these reasons it is almost in universal demand by Doctors and Nurses for Wounds, Operations, and for Obstetric purposes.

TO BE OBTAINED ONLY THROUGH CHEMISTS.

"Lysol is undoubtedly one of the most valuable Antiseptics prepared in recent years."—*The British Journal of Nursing, Aug. 3rd, 1907.*

As a Dentifrice, Mouth-wash or Gargle use 3, 5 or 8 drops to a tumblerful of water.

As a Cleansing Antiseptic for the Hair, and for Stimulating its Growth, LYSOL is recommended in the strength of 2½ teaspoonfuls to a quart of water.

Block Counter Bills and Show Plaques free on application from

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STEINER'S VERMIN PASTE

Destroys RATS, COCKROACHES, &c.

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Warranted for Home and Export Trade.

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KILLS BUGS, FLEAS, MOTHS, BLACKBEETLES, AND ALL OFFENSIVE INSECTS.

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ESTABLISHED 1866.

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Trade Mark.

FOR **STRAW HATS** 2D.

Easily Used. Gives Satisfaction.

Prices:
3 dozen, with hat, 4/- net.
6 " " " 7/- "
12 " " " 13/- "
Carriage Paid.

2 gro. 2½%. 5 gro. 5%. 10 gro. 7½%.
13 to dozen for cash with order.

MILNER'S CHEMICAL CO., Robson St., LIVERPOOL.

300 RATS for 1/-

105 RATS for 6d.

Mr. Hepworth, Chemist, Loughborough, writes:—"A customer killed 300 rats with a 1s. tin of 'Rodine' Rat Poison."

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Mr. Scott, Ingatestone, Essex, writes:—"After using 'Rodine' I got 433 dead rats, and gained first prize at the Rat and Sparrow Club."

"RODINE" REGD.

THE RAPID RAT REMOVER

Mr. Brown, Gamekeeper, Dunglass, N.B., writes:—"'Rodine' has excellent results. It killed thousands of rats."

With such conclusive evidence of its deadly effects — Push "Rodine." It yields nearly 100% profit.

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433 DEAD RATS

1000 DEAD RATS

A BOON

For Manufacturing Chemists & Druggists.

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CO., LIM., invite your attention to

THE PHŒNIX HERMETICAL CLOSURE.

The Ideal Cap for all kinds of Glass Packages such as Malt Extract, &c.

The following firms, amongst others, have adopted the Phœnix system, in conjunction with the Firtree disc with unqualified success.

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This Firtree disc is used in conjunction with Phœnix and Screw Caps for Malt Extracts, &c., and is supplied under registered Trade Mark, and is guaranteed pure for use with Food-Stuffs according to the Act.

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ELEY BROS. Ltd., possess facilities second to none for the manufacture of Silver- and Nickel-Plated Brass Boxes for Shaving Sticks, and Aluminium Boxes for Dentifrice, Soaps, etc; also Oval and Round Tops for "Talco" and other Powder Tins, Caps, and Dredgers for Toilet and other Powders.

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WRITE FOR SAMPLES OF THE FOLLOWING SEASONABLE LINES:

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BLOOD MIXTURE
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NATIONAL INSURANCE CORKS.
6 & 8 oz., 1 in. long, at 4½d. per gross,
30 gross bag post free for 11/-
Free sample sent on application.
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"Bouchon" Works,
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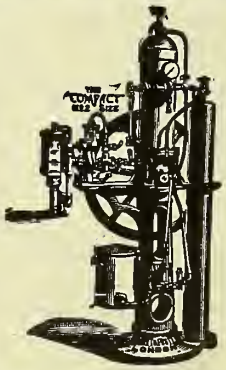
SODA-WATER MACHINERY.

By the use of our latest Back Pressure Filling Machines only half the usual quantity of Gas is used for the manufacture of the Highest quality Soda-water, either in Syphons or Bottles.

THE "COMPACT" MACHINES
are specially designed for
CHEMISTS, GROCERS, RESTAURATEURS,
and everyone to whom space is an object, and can be used for filling Syphons, Codd's Bottles, or Cork Bottles.
OCCUPY LITTLE SPACE!
ARE READY FOR USE IMMEDIATELY!
REQUIRE NO FIXING!
Produce Soda Water, Lemonade, &c., of the highest class and greatest purity.
Write for Catalogue.



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Bottles, Boxes, Essences, and all Requisites for the Trade at Lowest Prices.

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ORIGINAL CONCENTRATED WATERS.

Excise Drawback on Export Orders.

STANDARDISED TO B.P. 1898.

When diluted in the proportion of one part to forty parts of water at 60° temperature, they faithfully represent the Medicated Waters of the British Pharmacopœia. They are always of uniform strength, and will keep good any length of time in any climate.

Aqua Amygd. Amar. Conc. (U.S.)	4/-	per lb.	Aqua Cassiæ Conc.	4/-	per lb.	Aqua Menth. Virid. Conc. ...	4/-	per lb.
" Anethi, Concent.	4/-	"	" Flor Aurant.	8/6	"	" Pimentæ " ...	4/-	"
" Anisi "	4/-	"	" " Sambuci Conc. ...	8/6	"	" Pulegii " ...	4/-	"
" Camphoræ "	4/-	"	" Fœniculi Conc.	4/-	"	" Rosemarini " ...	4/-	"
" Carui "	4/-	"	" Menth. Pip. Conc. ...	4/-	"	" Rosæ " ...	8/6	"
" Cinnam. Ver. Conc. ...	6/-	"	" " Ang. Conc. ...	6/-	"	" " Virgin " ...	10/6	"

The above may be had in ¼-lb., ½-lb., or 1-lb. Bottles and upwards, through most of the Wholesale Drug Houses.
Each Bottle has the Inventor's Protection Label over the Cork, without which none are genuine.

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(VINUM AURANTII, B.P. 1898).

Samples of any of the above, sent free on application.

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Manufacturing Chemists,

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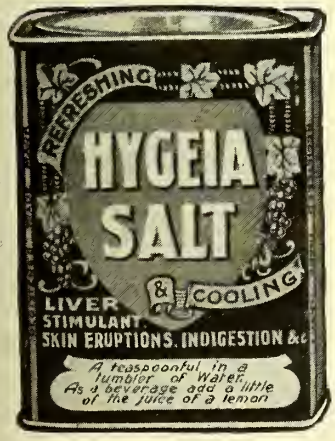
Have you ordered your Spring Goods?

If not, send us your inquiries at once.



We have many designs of both enamelled tins and paper labels.
We print your name and address on the latter in 1 gross lots.

THE NATURAL MINERAL WATER

VICHY-CÉLESTINS

STATE SPRING.

DISORDERS OF THE LIVER; GOUT;

DIABETES; RHEUMATISM; GRAVEL, &c.

VICHY-ÉTAT PASTILLES.

Two or three Pastilles after each meal facilitates digestion.

CAUTION: Each bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS:

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And at LIVERPOOL and BRISTOL.

Prompt Sales
Increasing Demand
Quick Turnover
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You stock "Wincarnis"—our advertising sells it for you. There is an enormous and ever-increasing demand for "Wincarnis" because it is a good article backed up by a powerful advertising campaign. Don't risk losing sales through being out of stock. Glance at your stock now.

COLEMAN & CO., Limited,
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NATURAL
Mineral Waters

¶ We are Agents for all the leading Natural Mineral Waters, importing them regularly throughout the Season.

¶ Should you be asked for a Water with which you are not conversant, please apply to us, as we may have it in stock; or we could procure at short notice.

¶ Chemists should write for our special list of net prices. Goods delivered direct to Clients' own Customers if desired.

¶ Show-cards, Show-Bottles, Pamphlets, Dummies, &c., forwarded on application.

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1 ton PETROL VEHICLES
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5 ton STEAM VEHICLES,
with or without
3 ton TRAILER ATTACHED,
for any period.

The Original and only Genuine

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POROUS **PLASTERS**

A REMEDY OF 60 YEARS' STANDING.

Allcock's Plasters
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The Three Reliables.

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A HANDSOME SHOWCARD will be sent free of cost and post paid on application.

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SOLUBLE QUININE PESSARIES.

THE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. Rendell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious compounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries from these fraudulent concoctions, see that the Registered Trade Mark and Number, in *RED INK*, are upon each box thus:

Registered Trade Mark, without which none are genuine. No. 182,688.

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Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

IMPORTANT NOTICE AND CAUTION.

Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of W. J. RENDELL," "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

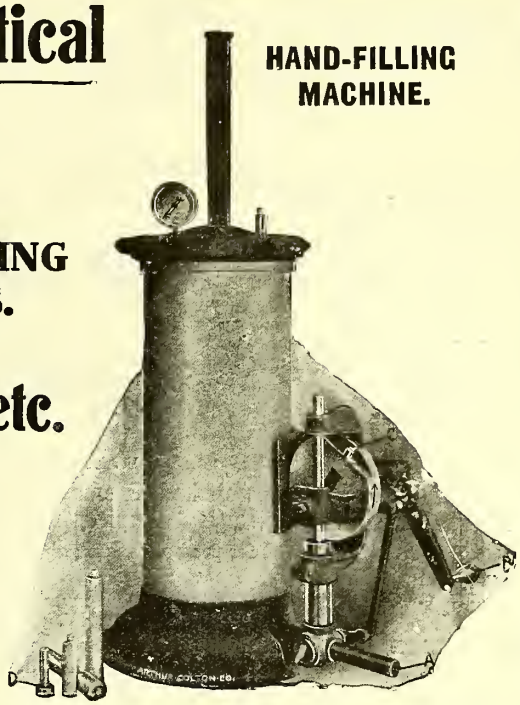
W. J. RENDELL,

INVENTOR AND SOLE MAKER,

15 CHADWELL STREET, CLERKENWELL, LONDON, E.C.

Colton's Pharmaceutical Machinery.

HAND-FILLING MACHINE.



COLLAPSIBLE TUBE FILLING and CLOSING MACHINES.

TABLET & PILL PLANT, etc.

MACHINES CAN BE SEEN AT GRIFFIN'S SHOWROOMS.

LISTS FREE ON APPLICATION.

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MERSEL'S FOOD

FOR INFANTS, INVALIDS, AND THE AGED.

MERSEL'S FOOD is a preparation of pure malted wheat. It is an ideal food for infants, invalids and the aged, being easily digested and retained by the weakest stomachs. Albert E. Bell, the well-known analyst, says:—"It is a complete food of high nutritive value." Put up in 1/- tins only.

KNO-SKA OINTMENT

(NO-SCAR)

FOR ECZEMA, HÆMORRHOIDS, ETC.

KNO-SKA is an antiseptic and emollient ointment of proved efficacy. It is indicated in eczema, hæmorrhoids, boils and skin troubles generally. The remarkable success which attends the use of KNO-SKA is making it increasingly popular all over the country. Put up in collapsible tubes, in two sizes only, at 1/1½ and 2/9.

A. J. WHITE, Ltd., 35 Farringdon Road, LONDON.

N.B.—Mother Seigel's Syrup in TABLET FORM is a line which is increasing in popularity DAILY.

Please Try Our DISPENSING BOTTLES & PHIALS.

We send six gross assorted or otherwise, carriage paid, to any address in the United Kingdom. Smaller quantities not carriage paid.

REDUCED PRICES.

Clear Blue Tinted.—Good Quality.

3 & 4	6 & 8	12	16 ozs.	Plain or graduated, round edges
8/-	9/-	13/-	18/-	per gross.

Clear Blue Tinted. Best Quality. QUININE.

3 & 4	6 & 8	12	16 ozs.	Plain or graduated, round edges
10/-	11/-	16/-	20/-	per gross.

CHEAP BOTTLES for Dispensing.

3 & 4	6	8 ozs.	Plain or graduated, round edges.
7/-	8/3	8/6	per gross.

WHITE PHIALS—GOOD QUALITY.

½	1	1½	2 ozs.	Plain or teaspoons.
4/-	4/6	4/9	5/3	per gross.

I. ISAACS & CO.,

106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.,
or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, W.

Orders sent to either establishment have attention.
Established 100 Years.

SAL HEPATICA

PUT UP FOR EXPORT.

Small	size,	3	oz. bottle,	in case.
Medium	"	7	"	" "
Large	"	16	"	" "

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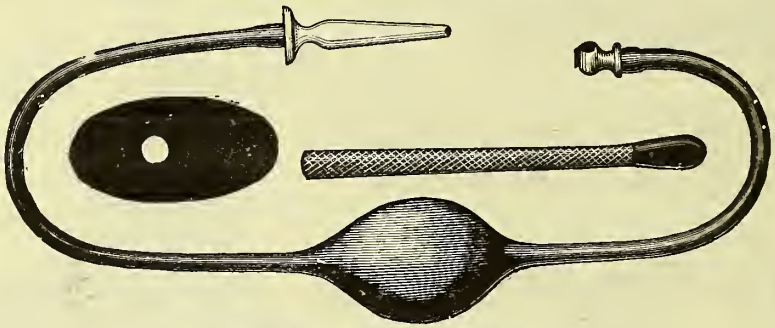

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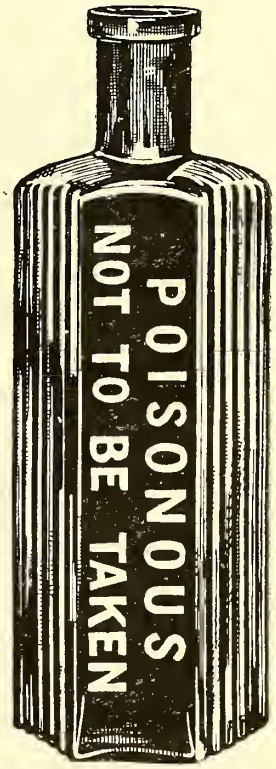

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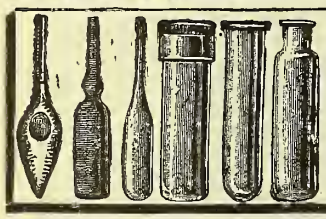

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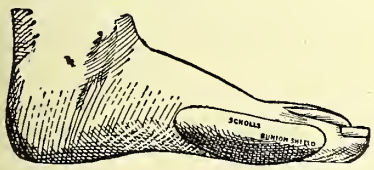

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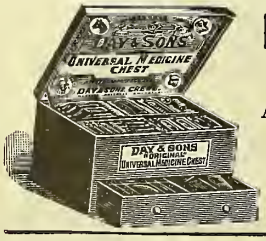

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Compare this with the price charged by other makers, whose price is never less than £5.

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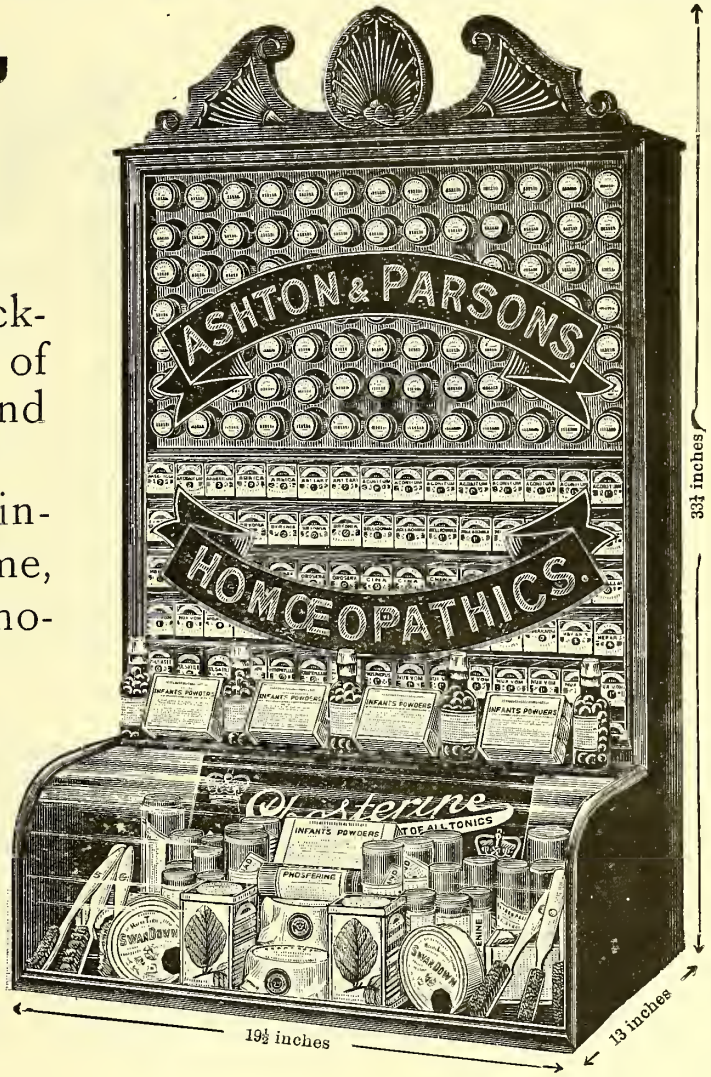

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Cost of Show Case	1	12	0
8⅔ dozen large 1/- size Pilules at 3/- per dozen ...	1	6	0
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Fig. 7 (No. 11).
wd, broad oval, 13 row, ¾ in. white bristle.
13/9 per doz.

No. 102A.
wd, narrow oval, 8 row, ½ in. Whalebone.
14/6 per doz.

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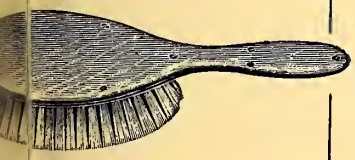

Fig. 10 (No. 43C).
wd, screwed back, 11 row, ⅞ . stiff white bristle.
22/6 per doz.

No. 43B.
wd, screwed back, 11 row, ⅞ i stiff yellow bristle.
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No. 104.
wd, screwed back, 8 row, ⅞ in. Whalebone.
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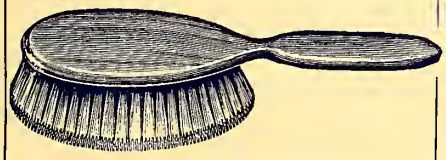

Fig. 13 (No. 110/1).
Satinwood, screwed back, 10 row, 2⅜ in. Whalebone.
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OFFICE: 42 CANNON STREET, E.C. [SATURDAY, MARCH 7, 1914

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14.—STAFFS.—General Cash Retail and Agricultural trade; returns average £1,000, with *net profit* £250; good house and large garden, with fruit trees, lawn, and greenhouse; rent £45; price £400.

VALUATIONS FOR STOCKTAKING.

O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value siness, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

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STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£7,000 returns.—Very old-established Wholesale, Retail, Agricultural, and Mineral-water trade, with several valuable Proprietary Articles of established demand, Yorkshire; the business is in a sound and healthy condition, and as vendor is owner of premises he would be interested in the buyer's success and do what he could to help him; terms, valuation of stock, plant, and fixtures, estimated at about £2,600.

£1,100 returns (over).—BUCKS.—Large double-fronted shop, good house, yard, and garden; satisfactory reasons for selling; price £500, a genuine bargain.

£1,200 returns.—MIDLANDS.—Old-established Light Retail, in best position in prosperous and good-class town; net profits £300-£400; good house and large warehouses; price £755.

£1,000 returns.—YORKS.—Light middle-class Retail, with Wine and Spirit Licence; plenty of scope; qualified man could at once largely increase; vendor leaving the trade, and is prepared to accept £325, which is less than stock and fixtures.

£1,250 returns.—EDINBURGH.—High-class Retail, increasing, and capable of great extension on more enterprising lines; price £750, less than value of stock and fixtures.

£750 returns.—DURHAM COUNTY.—Nice class Retail; great scope for increase; good reason for sale; price £350.

£1,000 returns. — CHESHIRE. — Very old-established good working-class Retail, in good position; illness cause of sale; price £500; stock and fixtures are worth £700.

£2,100 returns.—LANCS.—Old-established Light Retail; fair amount of Dispensing; Wine and Spirit Licence; excellent corner position in large town; net profit £357; price about £1,300, or agreed goodwill and valuation of stock and fixtures.

PARSON C. BAKER,

Private Address: 36 WOODSTOCK AVENUE, GOLDER'S GREEN, N.W.

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We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

MESSRS. BERDOE & FISH,

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1.—NORFOLK.—Old-established Retail and Agricultural Business, in good market town; same hands many years; neglected; returns over £800; net profit about £250; fine premises; can easily do £1,200; valuation only required, no goodwill.

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3.—WEST OF ENGLAND.—Good-class Dispensing and Retail, in fashionable town; returns under manager £1,250; net profit £350; splendid position; scope for much increase; price £800, or valuation.

4.—NOTTS.—Sound ready-money Retail, entirely under management; returns over £1,000; net profit £256; plenty of scope; fully stocked; price £700, half can remain.

5.—HERTS (Market Town. — Light General Retail, with Mineral-water Plant; returns £600; net profit £150; nice house and shop, main-road position; price £250, half valuation.

6.—LONDON (South).—Good-class Retail and Dispensing in first-class residential suburb; returns £2,400, increasing; books properly kept; valuation terms arranged.

7.—LONDON, S.E (Good Residential Suburb).—Light Family Retail and Dispensing; no near opposition; returns nearly £1,000; net profit £361; fine corner shop, well stocked; excellent house; price £900, or offer.

8.—YORKS (SEAPORT TOWN).—Very profitable Light Ready-money Retail; main-road position; returns last year £1,100, net profit £470 clear; books properly kept; low rent; large shop, heavily stocked; owner retiring; price £800.

9.—NORTH MIDLANDS.—Sound Mixed Country Retail in small market town; easy hours; returns about £1,000; net profit £25[illegible], large house, garden, etc.; price £400; recommended.

10.—BEXHILL-ON-SEA.—£500 secures a genuine good-class Business in this rising town; returns £1,117; net profit over £25[illegible], heavily stocked; good house; bargain for smart man; personally inspected and recommended.

11.—GLOUCS.—Very profitable Retail and Dispensing; scarcely any Patents; net profit about £300; good house; well fitted and stocked; same family many years; owner going abroad; price £4[illegible]

12.—HOME COUNTY.—Unopposed Light Country Retail Business, easily worked; returns about £500, increasing; modern house and Pharmacy, well stocked; price £350.

13.—LONDON, S.W.—Profitable Cash Retail Prescribing and N.H.I.; no opposition; present returns about £25 weekly, increasing; gross profits half; modern Pharmacy; fully stocked; price £600.

14.—LONDON (Eastern Suburb).—We have several Businesses on offer; prices from £50 to £500; suit unqualified or qualified; excellent opening for N.H.I.; state requirements.

VALUATIONS FOR STOCKTAKING.

Messrs. BERDOE & FISH would like every Pharmacist in business to read page 48 in this year's "C. & D." Diary, and then write for our pamphlet showing the many advantages of having stock taken; with a successful business stock has a habit of increasing, more especially since the Insurance Act came into force; and if only to satisfy yourself that **you are fully insured and in a position to make an indisputable claim in case of fire** it will pay you to have it done. Our terms, which are low, can be had on application. 43 years' practical experience.

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B FORD Suburb.—Light Cash Retail Business; returns 5, with good profit; steadily increasing; unopposed for s; every investigation welcomed; family ill-health sole or disposal; rent (house and shop) £28; full and up-to- ck; cash price £300. Bona-fide buyers address, "Yorks" , Office of this Paper.

HIRE.—Good-class Light Retail, Dispensing, and Photo. iness (no heavy trade); returns nearly £1,000 yearly; rent; on Panel for N.H.I.; good profits; no dead stock; little business, and very easily worked; owner leaving Full particulars on application to 271/15, Office of this

NG, W.—Doing over £1,000, increasing; good-class Retail pensing; fine chance for gentlemanly Chemist; good resi- neighbourhood; rent £36; owner retiring from trade. Office of this Paper.

, Country Town near.—Old-established Business for Dis- al; returns £15 per week; good prices; estimated net ver £200; price £275, or valuation; commodious house; 0; lease, with option of purchasing the property. Apply, mith, Hirst, Brooke & Hirst, Ltd., Leeds.

ASHIRE.—Immediate Disposal, through bereavement, old- ablished Pharmacy, doing steady business, capable of nent; no heavy trade; few Patents; exceptional oppor- or smart qualified man; premises suitable for large family; tc., Licences. Inquiries in first instance, 272/10, Office Paper.

ON, S.E.—Good-class Retail and Dispensing; handsomely d and well stocked; rent £80, lease; excellent position; ed over 30 years; turnover £1,500, increasing. For full ars apply, 270/12, Office of this Paper.

CHESTER.—Chemist's Business for Sale; corner shop; od living accommodation; private entrance to house; district; well stocked; doing good business; scope for ; Dispensing, also National Insurance; £200, or nearest cluding everything; death of owner cause for disposal. Quilliam, Manchester.

CHESTER, Near.—For Disposal, in a large manufacturing wn, two very profitable Light Retail and Dispensing Busi- will sell at stock and valuation; both are well stocked ed; full Wine Licence with one. Further particulars on ion to 270/110, Office of this Paper.

TH LONDON Suburb.—Unopposed genuine Business for e; returns £670; net profit £190 (about); increasing; se; modern Pharmacy, well fitted and stocked; price £500; nvestigation to bona-fide purchaser. Apply, "Chemist" 5), Office of this Paper.

TH OF ENGLAND.—For Sale, an old-established Chemist's siness; corner premises; excellent Sundry trade and good connection; great opportunity for increasing turnover, s over £30 weekly; every investigation offered; books well pply, "Aurum" (265/7), Office of this Paper.

ORD STREET, W. (two doors from).—Good Business for posal, doing increasing turnover; finely fitted in oak; t opportunity for smart Chemist; stock and fixtures at n; rent £130 per annum; or would entertain Partnership. ticulars from 270/18, Office of this Paper.

EX.—A bargain at £340; good-class Business, well stocked d fitted; little Insurance work; turnover £700, at good and mostly cash; low rent, and nice house; steady in- owner buying large concern. "English" (268/20), Office Paper.

ST END.—Light Retail and Dispensing Business, doing igh-class trade and producing a net profit of £600 yearly, aying all expenses; price £1,600; only cash buyers treated eferences exchanged. "Bromol" (274/04), Office of this

ST of England (good seaside town).—Light Family Retail nd Dispensing Business; steadily increasing; returns about ; net profit £300, after deducting every expense, including nt; books properly kept; very attractive shop; heavily ; low rent; on lease; price £1,050; this is an opportunity offered. Address, "Salol" (274/4), Office of this Paper.

YORK.—Good genuine Business for Disposal; corner shop, three good windows, main road; returns last year over £1,000 under unqualified man; good Wine Licence (also for Spirits, not used); returns can be greatly increased under qualified management; splendid opening for Insurance Dispensing and Photographic goods; good reason for selling; price £400. A. Allen, Monk Bar.

CHEMIST and Druggist.—First-class Dispensing Business in West End, Aberdeen, for immediate disposal; good situation; four Doctors in immediate vicinity; net profit about £250; stock and fittings at valuation; ingoing about £600; owner leaving town. Apply, R. W. Dunn, 1 Chattan Place, Aberdeen.

CHEMIST'S Business, old-established, for Sale, near Manchester, on main thoroughfare in populous district; shop, good living-house, and up-to-date stock; any reasonable offer considered; owner retiring. Apply, Alfred G. Deacon & Co., 14 Brown Street, Manchester.

COUNTRY Business; opening for Agricultural Chemist in heart of Farming district; present trade Family and General; turnover £500, increasing; room for Optics and Dentistry; part capital can remain if suitable terms. Apply, 272/40, Office of this Paper.

FOR immediate Disposal, the old-established Pharmacy, No. 17 Stafford Street, Longton; new front recently put in. For particulars apply, James Barlow, Estate Agent, Longton, Staffs.

GENUINE Cash Drug Business in one of Plymouth's main thoroughfares good opening for qualified man; none in the district; takings about £400; ill-health cause of selling; bargain to immediate purchaser. Apply, F. Williams, 5 Eton Terrace, Plymouth.

HEALTH Resort, North of Scotland.—For immediate Disposal, old-established Dispensing, Optical, and Photographic Business; rent £20; good position; stock and fittings about £400; the stock is fresh, and the returns can easily be doubled. Full particulars from Mitchell & Watt, C.A., 210 Union Street, Aberdeen.

OLD-ESTABLISHED Business, in busy market town, easy distance from London, thoroughly well stocked, with Mineral-water Factory in perfect working order; very profitable and capable of great extension by investment of small additional capital; price £250, or near offer, considerably less than valuation of stock, fittings, and machinery; satisfactory reasons for disposal. 272/11, Office of this Paper.

SACRIFICE.—Drug Stores, East End, London; long established; main thoroughfare; doing with unqualified manager £14 10s. per week; electric light; magnificent fittings, fully stocked; price £300; grand opportunity for N.I.D. Apply, 271/37, Office of this Paper.

TO Chemists and Druggists.—Advertiser knows of good opening (with little opposition) in growing Sussex country town, and is prepared to put applicants into immediate touch providing £5 procuration fee is paid if information acted upon. Ernest Mitchell, Auctioneer, Crawley, Sussex.

£130 or Near Offer.—Drug Stores, County Durham; takings £8 weekly; good profits; population over 10,000; shop not fitted up elaborately; suit middle-aged man; double-fronted shop, good house attached; rent £54 clear; illness cause of sale; plenty scope for increase; lease. "Drugs" (272/6), Office of this Paper.

£350.—An unusual opportunity occurs of acquiring a sound, good-class Retail Business, producing £270 profit after paying assistant and all expenses, and capable of further increase, in main thoroughfare of popular South Coast town; convenient house, with garden; satisfactory reasons for disposal. Particulars from "Vendor" (271/35), Office of this Paper.

TO LET.

BLYTH, Northumberland.—To Let, large lock-up Shop, suitable for Chemist, situate best business part of the town, one minute's walk from the Railway Station; rent £65 per annum; immediate possession. For further particulars apply to Bateley & Bateley, House, Estate, and Land Agents, Central Buildings, Blyth.

FELIXSTOWE, Undercliff shop centre.—To be Let, Shop; house over, suitable season's letting; 100 yards from sea and ¾ mile from nearest Chemist; opening for Chemist and Photo Stores; rent £45. Apply, Archer, House Agent, Felixstowe.

CITY OF LONDON.

SHOP Premises to be Let, in busy position, for many years occupied by Chemist; vacant June next; rent £250; upper part let off to Doctor at £110; excellent opportunity to retain valuable goodwill. Full details may be obtained from Toplis & Harding, Surveyors, 66 Cannon Street, E.C.

TO Chemists.—Capital Shop and House at a good-class residential seaside resort, 70 miles out; A1 position; splendid opening; good prices; rent £60, or freehold for sale. Apply, "D. F.," c/o Blairs, 11 King Street, Cheapside, E.C.

TENDERS.

WIGAN UNION.

THE Guardians of the Poor of the Wigan Union invite Tenders for the supply of Drugs, etc., for the period ending March 31st, 1915.

Forms of tender, containing the conditions of contract and probable quantity of each article required, may be obtained at the Union Offices, Victoria Buildings, King Street, Wigan, up to March 20th, 1914.

Tenders must be delivered to me, the undersigned, not later than 12 o'clock noon on March 23rd, 1914.

By Order of the Board,
H. GORDON ACKERLEY, Clerk.

King Street, Wigan, 4th March, 1914.

MACHINERY WANTED.

WANTED, first-class up-to-date Machines for Tablet-making, Pill-making, Grinding, Pounding, Mixing, Sifting, and Screening, etc., for our Pharmacy, to replace hand labour by machinery. All correspondence and illustrated catalogues, etc., should be addressed to Managing Director, Ayurvedic Pharmaceutical Co., Ltd., Gumti Bazar, Lahore, Punjab, India.

FOR SALE.

COMPLETE Fit-up of high-class Mahogany Fittings and Stock; York Recess Bottles; Illuminated Mortar and Sign; Window Enclosure, 10 ft., Mirrored Back; Plate-glass Shelves; all first-class condition; Stock up-to-date; all saleable; splendid chance for new start to fit up on good terms. Rowland, 7 Castle Street, Edinburgh.

RECEIPT-GIVING Cash Till for sale, second-hand; cheap for cash; almost as new; perfect condition. Write, Green, 39 Lettsom Street, Camberwell, S.E.

AGENCIES.

Price lists, trade circulars, samples, and printed matter can in no case be forwarded.

PHARMACIST, well travelled, 10 years own business, proceeding shortly to take up residence New York City, is desirous of good Agencies; splendid facilities for introducing new lines amongst Doctors, Hospitals, Public Institutions throughout United States; references exchanged. Address, "New York" (272/8), Office of this Paper.

PARTNERSHIPS.

ADVERTISER, having about £300 to invest, desires an active interest in a good sound provincial business, where two or more Assistants are kept; Midlands, Eastern or Western Counties preferred; qualified; good all-round experience; replies treated in the strictest confidence. "Pharmacist" (271/6), Office of this Paper.

PARTNER wanted in an old-established high-class Mixed business, provincial town; returns about £4,000; good opportunity for young qualified man seeking permanency and good prospects; state experience, age, and amount of capital at command. Address, 272/20, Office of this Paper.

PARTNERSHIP.—Wanted, young, live, qualified man, with about £600 capital, for business doing over £2,000 per annum; £300 guaranteed for first year's share. Full particulars sent on receipt of banker's reference, etc. 274/38, Office of this Paper.

YOUNG man (34), gentlemanly appearance, with excellent references and small capital, seeks position as Manager or Partnership with view to purchase in Light Retail and Dispensing business; N.H.I. work not opposed to; South of the Midlands preferred. Applications to R. L. Kingsthorpe, Yelfs Road, Ryde, I.W.

APPRENTICESHIPS.

CARDIFF.—Wanted, a well-educated youth as Apprentice; one having passed Preliminary preferred; a good opportunity of learning the trade under personal supervision; every help given. Ernest C. Harden, The Central Pharmacy, City Road, Cardiff.

BUSINESSES WANTED.

MAIN road or busy street in London district, inside, say miles' radius; Retail desired; not high-class Dispens trade. Particulars and terms required for cash purchase, will be conserved strictly private for advertiser's eye only, be addressed to "Resina" (274/14), Office of this Paper

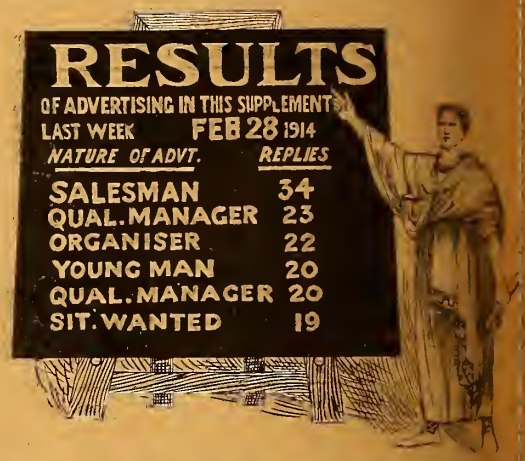
NEAR London.—Small good-class Country Business, capable increase; neglected business also considered; advertiser wo accept Partnership with succession. Send full particulars confidence, to "Lavande" (272/27), Office of this Paper agents.

WANTED, Wholesale Business or Agency, either D connected with Chemist's business; London preferred, bo fide inquiry by experienced man with capital to £4,000. 266 Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have rep addressed to this Office, and forwarded on payment of additional charge of **6d.**



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RETAIL.

BEDFORD.—Unqualified Junior wanted for good-class busine Dispensing, Photography, Window-dressing; outdoors. App with full particulars, to Anthony & Son, Chemists, Bedford.

BIRMINGHAM.—Elderly qualified Assistant required; hours long; work light. State when at liberty and salary requir 273/8, Office of this Paper.

BIRMINGHAM.—Manager, qualified, for small branch, p viously under unqualified; plenty of scope for right ma must be good Salesman and Window-dresser; suit anyone seek permanency. Send salary required, references, age, and ph if possible (will be returned). 271/23, Office of this Paper

BIRMINGHAM.—Capable qualified Assistant. Usual particul and photo to Paddock, 747 Stratford Road, Birmingham.

BRISTOL.—Wanted, a qualified Assistant (outdoors, two ke for a good-class Dispensing business. Apply, with full p ticulars, to Buxton & Grant, 176 Whiteladies Road, Redla Bristol.

CAMBRIDGE.—A competent and reliable Assistant required a good-class University and General business; qualified unqualified; knowledge of Photography preferred. Apply, w full particulars, to G. Beall & Son, Chemists, Cambridge.

ANCER HOSPITAL, Fulham Road, S.W.—Male Assistant Dispenser wanted by the end of March; Apothecaries' Hall qualification; hours 9 to 6; dinner and tea provided; £85 per annum; Polytechnic Institute is within 5 minutes' walk. Apply, G. F. Wilkie, Pharmacist.

IESHIRE.—Competent unqualified Assistant required as Senior in good-class Country business; age not over 30; outdoors; salary reasonable. State experience, salary, and usual details to "Latim" (272/37), Office of this Paper.

HICHESTER.—Smart Junior Assistant wanted (outdoors) for quick good-class Counter trade; must be capable Dispenser and Window-dresser. Apply, stating salary required, age, height, and all usual particulars, enclosing references and photo if possible, to Horton, Chemist, Chichester.

TY.—Wanted, qualified (Minor) Assistant; quick and accurate; chiefly Dispensing; hours 8.30 a.m. till 7 p.m., Saturdays 1 p.m.; no Sunday or Bank Holiday duty; salary £130 per annum. Apply, "B." (274/6), Office of this Paper.

OWBOROUGH.—A thoroughly capable Junior required in good-class Dispensing business. Apply, with full particulars of experience, age, height, salary (indoors), G. H. F. Dier, Pharmacist, Crowborough.

STBOURNE. — Improver wanted for high-class Dispensing business. State salary (outdoors), with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

ODALMING.—Qualified outdoor Male Dispenser and Bookkeeper required by firm of two Doctors; age under 40. State experience, references, age, salary required, to "B.," The Square, Godalming, Surrey.

ING'S LYNN.—Assistant required; one just out of his time; short hours; no duty; outdoors. State height, salary required, enclose carte, Cockle, King's Lynn.

LEAMINGTON SPA.—Capable Senior Assistant for good-class business; must be good Dispenser and have some knowledge of Photography; qualification not essential; married preferred; permanency to suitable man; state age, salary, when disengaged, enclose photo; also Junior (indoors); time for study arranged. Sharpe & Co., 35 Bath Street, Leamington Spa.

IVERPOOL.—Energetic Assistant for Light Retail and Dispensing business; good Counterman and Dispenser. Apply, G. Sleggs, Chemist, 1 St. Domingo Vale, Liverpool.

LANDUDNO.—Unqualified Junior, about 21, for good-class Retail and Dispensing business; knowledge of Photography; outdoors. Apply, with full particulars, enclosing photo, to Winter & Co., Llandudno.

LONDON TEMPERANCE HOSPITAL, Hampstead Road, N.W.—Wanted, Part-time Male Assistant Dispenser; Mondays 1 to 7. Applications, stating qualifications, experience, remuneration required, with testimonials, to be sent to the undersigned. A. J. Bodger, Secretary.

LONDON.—Wanted, a reliable outdoor Assistant (25 to 35) for permanency. Apply personally, or if by letter give particulars of last two situations and salary required. H. T. Hines, 86 High Street, Whitechapel.

LONDON, N.—Evening work; wanted, for a good-class Dispensing and Retail business, an experienced Dispenser and Counterman with a knowledge of Photography, qualified preferred, for evenings weekly, generally Friday and Saturday, from 6.30 till 9 (Saturday 10). Apply, with full particulars, to David Anderson, Chemist, Crouch End, N.

LONDON, N.—Junior Assistant; outdoors; one whole day off weekly; Dispensing, quick Retail, and Photographic. Please state salary required, references, and usual particulars, and enclose photo, Long, 155 High Street, Stoke Newington, N.

LONDON, N.—Wanted, a quick, accurate Dispenser for Thursday, Friday, and Saturday evenings, for about three hours each night: to assist generally, but chiefly for Insurance Dispensing. Salary and references, or a personal call, to Pirie, Chemist, 4 Grand Parade, Harringay, N.

LONDON, N.—Qualified (elderly would suit) to assist with Dispensing and Light Retail; comfortable berth; easy hours; permanency. State salary, etc., "Verax" (274/26), Office of this Paper.

LONDON, N.W.—Junior Assistant; indoors; one accustomed to Quick Retail preferred; could arrange to give time for study. State full particulars and salary expected, 274/20, Office of this Paper.

LONDON, N.W.—Wanted, March 16, qualified Assistant, young, for Light Retail, Dispensing, and Photographic business. Apply, with full particulars, to 275/2, Office of this Paper.

LONDON, S.E.—Wanted at once, Junior Assistant; unregistered. State age, salary required, and all particulars to Hankinson's Pharmacy, 62 Brockley Rise, Honor Oak Park, S.E.

LONDON, S.E.—Qualified Dispenser for N.H.I. (lady not objected to); age 25 to 40; must be experienced, quick, accurate, and have good references; hours easy; also smart unqualified Assistant; good and accurate Dispenser and Counterman. Apply, with particulars and salary required, to "D. S. W." (274/9), Office of this Paper.

LONDON, S.E.—Wanted, an Assistant or good Junior for high-class Dispensing business. Apply, with full particulars, to Butcher, Curnow & Co., Chemists, Blackheath, S.E.

LONDON, S.W.—Assistant, good Junior, end of March, for Dispensing and Family business; good hours; knowledge of Optics not needed. Apply, in writing, with photo, giving usual particulars, to H. T. Escritt, Pharmacist and Optician, 284 High Road, Streatham, S.W.

LONDON, S.W.—Wanted, a qualified Assistant, of gentlemanly appearance and address, not over 35 years of age; must be a good Salesman, with satisfactory recent references. State age, height, qualification, experience, salary required (outdoors), and enclose photo, Parson C. Baker, 174 Victoria Street, London, S.W.

LONDON, S.W.—Capable Assistant, with Dispensing experience; outdoors; hours 8.30 to 9 p.m., Saturdays 8.30 to 9.30; Sunday duty every third, 6 to 8. Bruce's, Ltd., Chemists, 28 Broadway, Ealing, W.

LONDON, S.W.—Qualified Assistant, about 26, for Senior position in good-class Dispensing business (indoors). Apply personally or enclose photograph, with usual particulars, to Tupholme & Son, 1 Coleherne Terrace, Earl's Court.

LONDON, S.W.—Required, Dispenser; Minor qualification; salary to commence 50s. per week; age about 25; hours of work 8.45 a.m. to 6.30 p.m. approximately; no Sunday duty; 14 days' annual vacation. Write, stating full particulars, to 1491, Sells' Advertising Offices, Fleet Street, E.C.

LONDON, W.—Required immediately, Junior with good Dispensing experience; outdoors. Apply personally, or give full particulars of previous engagements, age, height, salary required, and when disengaged, Sharpe & Son, 34 High Street, Notting Hill Gate, W.

LONDON, W.—Qualified Assistant; indoors; good-class Dispensing experience. State age, height, salary required, and all particulars, to Harding, The Avenue, West Ealing.

LONDON, W.—Wanted, young French gentleman, with some experience in the trade, as Junior. 273/34, Office of this Paper.

LONDON, W.C.—Wanted, Assistant, week-daily from 1 to 4 or 5, to put up stock and relieve at Counter; might suit retired Chemist. State usual particulars, age, and remuneration required, to 273/29, Office of this Paper.

LONDON Suburb.—Qualified Branch Manager for good-class Retail, Dispensing, and Photographic; comfortable residential premises over shop; good prospect, with opportunity of acquiring an interest or purchasing business eventually. Give full particulars, including age, height, experience, salary expected, references, and photo, to 274/24, Office of this Paper.

MACCLESFIELD. — Unqualified Assistant, age about 20, for Light Retail business; outdoors; no Sunday duty; close Wednesday 1 p.m. State usual particulars and salary required to S. Wild, 76 Mill Street, Macclesfield.

MANCHESTER.—Qualified Manager for Light Retail and Dispensing; state salary; elderly not objected to; no Sunday duty. Apply, "H.," c/o Quilliams, Victoria Bridge, Manchester.

MANCHESTER.—Junior or Improver. Apply, stating age, height, and full particulars, with references and salary required (outdoors), to Jeans, 151 Oxford Road, Manchester.

MANCHESTER, near.—Qualified Assistant for Light Retail and Dispensing; elderly not objected to. Apply, 270/11, Office of this Paper.

MANCHESTER.—Qualified Assistant, also Junior or Part-time help; good and improving positions; please give particulars, age, salary, etc.; replies not answered in four days respectfully declined. 272/4, Office of this Paper.

MARGATE.—Junior wanted (outdoors) for Dispensing, Light Retail and Photographic business. Holmes, 110 High Street, Margate.

MINEHEAD.—Wanted, Junior Assistant, with knowledge of Photography and good Dispensing. Culverwell & Hawkins.

NORTH STAFFS.—Qualified Manager (outdoors) to take charge of branch shop, Mixed Country business; quick, energetic, and reliable man; good references required. State age, salary required to Wrench, Chemist, Charminster Road, Bournemouth.

NORTH STAFFS.—Wanted, Junior or Improver, about 21; good-class Retail; knowledge of Photography required; easy hours; outdoors; good berth. State salary and send photo, Blades & Son, Leek.

NORTH STAFFS.—Edmund Jones, Miles Bank, Hanley, requires for end of month, a gentlemanly capable Second Assistant, 24 to 30; must be neat writer, good Dispenser and Counterman, and had good training and experience; outdoors. Send latest references and usual particulars, with recent photo (which will be returned).

NORTHALLERTON.—Wanted for one week, person accustomed to Stocktaking. Apply, Fairburn, Chemist, Northallerton.

S.W.—Assistant; Dispensing, Counter; outdoors; good Dispensing experience essential; permanency; about 25. Salary and usual particulars to 269/39, Office of this Paper.

SHREWSBURY.—Junior (outdoors); please give full particulars in first letter of age, height, salary required, and where experience has been obtained. Apply, A. Williams, Chemist, Castle Street, Shrewsbury.

SHROPSHIRE.—Capable Assistant, of good experience, in high-class Retail, Agricultural, and Photography; enclose photo, stating salary; permanency; no night, Sunday, or Bank Holiday duty; able to take entire charge; progressive salary. G. Morrey, Pharmaceutical Chemist, Market Drayton.

SOUTH YORKS.—Qualified, male or female, not under 25; outdoors; three kept; must be accurate and quick Dispenser; Photographic knowledge a recommendation. Apply, full particulars, photo, age, height, salary, etc., to "Phœnix" (271/28), Office of this Paper.

THE ROYAL SUSSEX COUNTY HOSPITAL, Brighton.—Dispenser (male), Chief, required immediately; he must possess at least the Minor qualifications of the Pharmaceutical Society, and be duly registered; salary £150, rising £10 annually to £200, with dinner provided daily; hours 9.30 a.m. to 5 p.m., with three hours' duty on alternate Sundays and Bank Holidays. Applications, with copies of testimonials and photograph, to be sent to the Secretary at the Hospital, from whom further information may be obtained.

YORKSHIRE.—Elderly qualified Chemist required to fill comfortable berth; easy hours; permanency. State salary required, 273/9, Office of this Paper.

A GOOD Junior Assistant required immediately, about 22 years of age; good Dispensing experience. Apply personally, or if by letter give full particulars and photo (returnable) if possible, to W. H. Bell & Co., 69 Albany Street, Regent's Park, N.W.

A QUALIFIED Manager to take charge of branch. Apply, "A. B. C.," c/o Messrs. Evans Sons Lescher & Webb, Ltd., Hanover Street, Liverpool.

A THOROUGHLY competent Assistant; qualification not essential if otherwise experienced, about 30 years of age, in good-class Retail and Dispensing trade. Apply, with full particulars, to A. F. Collis, 11 Abbey Churchyard, Bath.

ABOUT Easter.—Wanted, young qualified man as Managing Assistant for branch at Boston Spa, Yorks; indoors, thoroughly comfortable; easy hours; good-class Light Retail and Dispensing; no heavy trade. Apply, stating age, experience, references, etc., to J. H. Hull, Pharmacist, Tadcaster.

AN Assistant wanted (outdoors) for London Suburb, who has had some experience in N.H.I. Dispensing; a good salary paid; also a Junior. Please state age, salary, and other usual details to 274/37, Office of this Paper.

ASSISTANT; outdoors; Dispensing, Light Retail, Photographic. Apply, with photo and references, W. Pitchford, 54 Cotham Hill, Bristol.

ASSISTANT (outdoors) required in about a month's time; not under 25, thoroughly reliable and trustworthy, unqualified, abstainer preferred, with good all-round experience, for good-class business in S.E. London suburb; personal interview will be required; hours 8.30 to 9 p.m., Saturdays 10.30; alternate Sundays three hours. Full particulars and salary required to "X. Y. Z." (149/8), Office of this Paper.

ASSISTANT for Optical Counter in first-class Dispensing and Optical business; an excellent opportunity of gaining experience in Optics; F.S.M.C. certificate not essential; no State Insurance Dispensing. State experience, with usual particulars, salary required (indoors), Saxby, F.S.M.C., Cheltenham.

ASSISTANT wanted at once. Send full particulars in first letter, salary required and photo (to be returned), D. Thomson & Co., 137 Queen's Crescent, N.W.

AT Once.—Smart, reliable Junior, unqualified, for about three months; good references. Apply, Cave, Austin & Co., Rushey Green, Catford.

COMPETENT unqualified Assistant required immediately for good-class Retail and Photographic business; married or single (outdoors); must be energetic, tactful Salesman, accurate Dispenser; good experience; no Sunday duty; progressive salary to good man wanting permanency. State salary required, age, height, and references, send photo (to be returned), Ernest J. Hughes, Pharmacist, Melksham, Wilts.

COMPETENT Assistant, unqualified, age about 25 (indoors) for good-class Dispensing and Retail business; permanency. State particulars of last two engagements, age, and height, photo if possible, W. M. Roseer, J. Baily & Co., 2 Ethelbert Terrace, Margate.

COMPETENT Assistant, with Dispensing experience; two kept; salary £55 (indoors) to commence. Apply (letter only), stating experience, names of references, and when disengaged, Barnard & Son, 309 Hackney Road, London, N.E.

DISPENSER wanted at once in London Suburban Surgery; previous experience not necessary; would suit smart Junior; good wages. Address, 274/25, Office of this Paper.

E. C. PERKS & CO. require, early in March, a qualified Assistant; indoors; three kept; thorough knowledge of Dispensing essential; also a Junior Assistant wanted. Apply, 1 Sloane Square, London, S.W.

ENERGETIC, pushing, unqualified Assistant for brisk Counter work and Insurance Dispensing in working-class business; must be quick and industrious; good progressive salary to suitable man; also Assistant for Mondays and Fridays, 6 to 10; personal application preferred. Williams, 189 High Street, Deptford, S.E.

GENTLEMANLY unqualified Assistant for Retail, part calling on Medical men and Chemists; salary and commission; travelling experience necessary. 270/39, Office of this Paper.

IMMEDIATE.—Reliable Junior (indoors), age between 20 and 25; easy hours; comfortable home offered; one used to Market Country business and Photography. Give full particulars in first letter and state salary required, Christopher, Pharmacist, Much Wenlock, Salop.

IMMEDIATELY.—Gentlemanly, qualified Assistant, well up in Dispensing; London experience preferred. Send photo and terms, 274/2, Office of this Paper.

IMPROVER or young Junior required for Cash Retail and Dispensing business. Apply, with full particulars, to Jas. Woods, Ltd., 76 Bath Street, Ilkeston, Derbyshire.

IMPROVER or young Junior wanted. State salary required (indoors or outdoors) and usual particulars, W. Roberts, Chemist, 73 Brook Street, Chester.

JUNIOR Assistant wanted shortly; one used to Developing Photos and good at Counter. State age, height, salary (outdoors), to Geo. Durrant & Son, Hertford.

JUNIOR Assistant wanted for good-class Dispensing and Retail business (indoors) near London. Apply, with usual particulars, salary, etc., W. Wade, 55 High Street, Sidcup, Kent.

JUNIOR ASSISTANT required; outdoors; easy hours; no Sunday duty; usual half-holiday; no N.H.I.; other assistants kept. Apply, with full particulars of experience, age, height, salary required, when disengaged, photo if possible (to be returned), Elliott, Chemist, Evesham, Worcestershire.

JUNIOR Assistant wanted near Tunbridge Wells; outdoors; short hours. Write, stating age, experience, and salary required, "H. W." (271/12), Office of this Paper.

JUNIOR Assistant wanted at once in high-class Retail Dispensing business; outdoors; good salary paid to suitable man. Reply to 272/24, Office of this Paper.

JUNIOR, unqualified, wanted (outdoors) for good-class Dispensing and Retail business near London. Apply, with full particulars, salary required, and photo, to Roberts, Chemist, Hemel Hempstead, Herts.

JUNIOR or good Improver, for quick medium-class business; must have had some experience in Dispensing; duties to commence about 20th inst.; personal application preferred. Gigner & Co., 160 King's Road, Chelsea.

JUNIOR Assistant wanted for good-class Family business, outdoors. Apply, giving full particulars, age, experience, salary, etc., to Neve, 10 Victoria Parade, Norbury, S.W.

JUNIOR Assistant required, with Minor qualification, age about 22; hours of business 9-6, Saturdays 9-1. Apply, stating experience, salary required, and enclose photograph (to be returned), to 149/59, Office of this Paper.

LOCUM, qualified, wanted immediately for two weeks and probably more; small branch business, W.R. Yorks. Apply, Bernard Middleton, West Leigh, Walton, Wakefield.

S. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, ire a capable Pharmacist as Manager; easy hours; good essive salary, with excellent prospects.

ER, qualified, for new branch; also qualified Assistant. acter must bear strictest investigation. Apply, Bewell's, 21 Pitfield Street, N.

S. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, a vacancy for an unqualified Assistant; permanency salary.

ER; qualified; must be first-class Counterman and have good experience. State age, whether married, and when 273/7, Office of this Paper.

E-AGED or active elderly qualified Assistant (outdoors) Limited Company, good Mixed business, in North Mid- te particulars, salary, and, if convenient, photo (to be comfortable situation. Apply, "Drugs" (268/9), Office aper.

RDER, Chemist, London Street, Norwich, has a vacancy loors) for a Junior Assistant; must have highest refer-

NENCY to suitable applicant.—Qualified Pharmacist d (at once), to take charge of a Drug and Dispensing t. Applications, stating experience, salary, etc., with to "T. J. B.," c/o Wyleys, Ltd., Coventry

IED Midwife wanted at once by Doctor, to act as nser, assist at Midwifery, and generally assist Doctor ctice; age about 30. 148/59, Office of this Paper.

IED Manager, about 30; good prospects to suitable must be good Salesman and Dispenser; rooms over shop State salary required with commission (hours easy), , Ltd., Chemists, Sheerness.

IED Pharmacist as Manager of branch wanted at once; Dispenser; outdoors. Give particulars of experience, t, salary required, when disengaged, etc., J. T. Eggin macist, Sedgley, Dudley.

IED Manager wanted for branch early in April. State required and usual particulars, Booker, Chemist, ear Doncaster.

IED elderly Chemist wanted immediately; comfortable ion; light duties; easy hours; qualification principally Apply, stating salary, etc., to 270/4, Office of this

IED Counterman for high-class business where there everal Assistants; must be smart, well informed, of ess, and take a thorough controlling interest in his t; outdoors; moderate hours; liberal salary and other ffered to the right man. Apply, with photo, "Kudos" Office of this Paper.

IED Manager required; capable and energetic; must quick and accurate Dispenser. State experience, refer- salary required, R. Needham, Chemist, Stalybridge.

IED Assistant, age about 25, outdoors, for good-class l and Dispensing; knowledge of Photography. Apply, particulars, enclosing photo, Edwards, Chemist,

IED Assistant or Manager at once for General Retail Dispensing business, N.H.I.; state age, reference, and uired. Apply, Bushby, Upper Brook Street, C.-on-M., r.

IED Assistant; good Retail and Dispensing, with Photo- y; no Sunday duty; live out. Apply, giving all par- nd salary expected, to Wiles & Holman, Haslemere,

IED Manager (about 25) and smart Junior Assistant t 22), both outdoors, required for a good-class Retail nsing business; must have had good Counter and Dis- perience in each case. Address, stating references, age, c., and enclosing photo (to be returned), to T. & W. Chemists, Cheadle, Cheshire.

IED Assistant wanted; time off—one whole day one and half a day the next week alternately; usual summer Please state age, experience, references, salary required, disengaged in first letter, or apply personally to Bishop 460 Holloway Road, London, N.

IED Assistant immediately; principal duties State Dis- ng; state experience, age, and salary required; middle- not objected to; permanency if suitable. References, ng Bros., Druggists, Sedgley Road, Wolverhampton.

QUALIFIED Assistant, young, for the Potteries; quick, reliable, and accurate Dispenser, N.I.; good Counterman and Stock-keeper; energetic, all-round man; good working-class; 9 to 9; half-day holiday; Saturday 10.30; alternate Sunday 7 to 9; permanency and good prospects to right man. Salary and full particulars, photo, 257/32, Office of this Paper.

QUALIFIED Branch Manager; experienced; well recommended; hours 8.30 to 8.30, Saturdays 10.30; no Sunday duty; outdoors; liberal salary. Apply, with references and photo, to Managing Director, Hodders, Ltd., 5 Nelson Street, Bristol.

QUALIFIED Assistant for Branch in Cheshire; also an unqualified Assistant; another assistant kept. Apply, with full particulars as to age, experience, salary required, and references, to 272/38, Office of this Paper.

QUALIFIED Assistant wanted immediately; North London; quick cash; good middle-class business; must be capable of taking charge when required; undeniable references, and a smart Salesman; no Sunday duty; good salary. Apply, with full particulars, to 272/35, Office of this Paper.

QUALIFIED, smart, and energetic man wanted to work up neglected branch; North; good Window-dresser and quick Dispenser; Advertisement Writer would be an additional recommendation; salary, commission, and bonus on increased business on liberal scale to suitable man. 271/11, Office of this Paper.

QUALIFIED Assistant; immediately or shortly; principal duties State Dispensing; elderly not objected to; permanency if suitable. Particulars, age, salary, etc., to 270/13, Office of this Paper.

QUALIFIED Assistant as Senior required for good-class Retail and Dispensing business; must be a good Salesman and Dispenser; to live over premises with two other Assistants, but not with family. Please give full particulars and enclose photo, Procter, 5 Station Parade, Eastbourne.

QUALIFIED Assistant wanted at once; outdoors; short hours; comfortable berth. Apply, A. E. Pumfrey, 14 St. Aldates, Oxford.

RELIABLE qualified Assistant wanted for good-class Dispensing and Family business; outdoors. Loggin, Stratford-on-Avon.

REQUIRED at once, for three months, unqualified Assistant; indoors; easy hours; time off to attend classes if required; West of England. 272/23, Office of this Paper.

SMART up-to-date Manager required for first-class Modern business; London (West End); good salary and share of profits; outdoors. Apply 271/17, Office of this Paper.

TEMPORARY Assistant required at once; qualified. Apply, by letter only, to J. Robert Walker, 36 New Cavendish Street, London, W.

TEMPORARY Assistant for relief work, with good Counter and Dispensing experience; suit student. Armstrong, 343 Upper Street, Islington.

UNQUALIFIED Branch Manager wanted for Drug Stores; London; outdoors; comfortable permanency for steady young man who has had previous experience in Management; useless writing without stating fully age, managerial experience, and salary required. 273/37, Office of this Paper.

UNQUALIFIED Assistant as First Counterman; high-class Stores; hours 8.30 to 7, Saturdays 1 o'clock. Address, "T. Y.," c/o J. W. Vickers & Co., Ltd., 5 Nicholas Lane, E.C.

UNQUALIFIED Assistant wanted at once (indoors) for good-class Dispensing and Photography. Apply, giving full particulars, to Cruse & Co., Ltd., 7 The Strand, E. Southsea, Hants.

UNQUALIFIED Assistant, for quick Cash Retail; Dispensing; knowledge of Window-dressing advantageous; ordinary hours; no Sunday duty; outdoors; liberal salary to suitable man. Apply, with references, to Managing Director, Hodders, Ltd., 5 Nelson Street, Bristol.

£3 Weekly.—Qualified Branch Manager; every convenience can be arranged for good energetic man; must be pleasant to clients; small Counter trade, medium Dispensing; medium-aged man preferred. Apply at once or call, C. Gadd, Chemist (by exam.), 1 Harleyford Road, Vauxhall.

WANTED March 28, Manager, qualified, for Light Retail, Dispensing, and Mixed business; indoors, comfortable; permanency for reliable, temperate man. Bowler, Chemist, Belper.

WHOLESALE.

COUNTER hands for Wet and Dry Floors wanted; must have had good experience. Apply, stating full particulars of previous employment, wages expected, and if disengaged, to 274/28, Office of this Paper.

DRY Floor.—Young man; strong; good references; age about 21; must be experienced. Full particulars, "E. C." (274/13), Office of this Paper.

INVOICE Clerk wanted by Wholesale firm in N.W. district; accustomed to entering, pricing, and extending; must be neat, quick, and accurate worker. Reply, stating age, experience, and wages required, to "Reliable" (274/32), Office of this Paper.

MAN wanted, with experience in Sundries and Surgical Instruments, to work under manager of department. State qualifications, age, and salary, to 273/38, Office of this Paper.

MANAGER wanted for small Wholesale branch in Manchester and to Travel; knowledge in Sundry and Packed Goods essential. Apply, by letter, stating age, salary required, and experience, to "F. E. W.," 1 Chelsea Gardens, London, S.W.

PACKED Goods.—Smart woman to take charge of large department of above in Wholesale house; previous experience necessary. Full particulars, salary required to 135/12, Office of this Paper.

PACKER, Junior, wanted by Bales Bros. & Stevenson, Ltd., Wholesale Druggists, 175 Grange Road, Bermondsey, S.E.

PERFUMERY and Toilet Soaps.—Town Traveller wanted, for London and Suburbs, on expenses and commission; must have had good and recent experience in selling for good manufacturers. Write, giving full particulars, to Breidenbach & Co., 48 Greek Street, Soho Square, London, W.

REPRESENTATIVE calling upon Retail Chemists in London and Suburbs required to take up as a side-line a well-known Proprietary Medicine; first-class connection absolutely essential; commission and part expenses. Write particulars to 267/23 Office of this Paper.

REPRESENTATIVE required on good commission basis to carry lines in large demand; give full particulars as to ground covered; samples easy to carry. 272/36, Office of this Paper.

REQUIRED, for Wholesale Drug Department, young man, about 24; experienced Wet and Dry Counters; must be accurate, reliable, and methodical worker. Apply, personally or by letetr, to Hospitals and General Contracts Co., Ltd., 25 to 35 Mortimer Street, W.

TRAVELLER to call on Medical men in principal towns, London excepted, to Represent a well-known Preparation; preference given to one representing one or two other lines; first-class experience in this class of work essential. State full particulars and salary required to 275/1, Office of this Paper.

TRAVELLERS wanted all over the country to call upon Chemists, Drug Stores, etc., with Quinine Pessaries; liberal commission. Apply, 266/27, Office of this Paper.

TRAVELLERS.—Two young Travellers wanted, to call on Retail trade with well-known and largely advertised Proprietary article. Apply in writing, stating age, experience, salary asked, and references, to "Traveller" (148/54), Office of this Paper.

WANTED by Provincial Drug house, Assistant for Dry Room; must have had previous experience in this department. Apply 271/19, Office of this Paper.

WHOLESALE.—Wet and Dry Assistant reqnired for South Africa; unmarried; not over 35 years of age; passage paid out; three years' agreement. Apply, by letter only, to "L.," 14 Lafone Street, London, S.E.

WHOLESALE.—Wanted by a Lancashire firm, young man with experience in making Pharmaceutical preparations; one who has assisted in Laboratory in similar capacity preferred. Write, stating full particulars, to "X. Y. Z." (147/18), Office of this Paper.

"THE CHEMIST-OPTICIAN" is the first book which chemists should read who want to know how to make money off spectacles and eyeglasses. Published at 4s. (by post 4s. 3d.), can be obtained from the *C. & D.* Offices in London or Melbourne, and from the wholesale and sundries houses at the published price.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

CALCUTTA.—Wanted, qualified Assistant, preferably [illegible] must be good Salesman and have Photographic exp[illegible] four years' agreement, with annual increases; salary £15 [illegible] £[illegible] per month, according to qualifications; second-class passage paid both ways. Apply, with particulars of previous exper[illegible] "Export" (124/18), Office of this Paper.

CHINA.—A qualified Assistant (24 to 28) required, with experience in Manufacture of P.B. Preparations and [illegible] Analytical knowledge; 4 years' agreement; passage paid [illegible] home; good salary and excellent prospects to a suitable [illegible] preference given to an English-speaking German. Apply, with full particulars, to 86/55, Office of this Paper.

SHANGHAI.—Qualified Assistant, about 23, required for [illegible] established English Chemists; four years' agreement, passage paid out and home; terms (approximately) £180 first year with annual advance of £24; furnished room and medical attendance provided. Apply, with full particulars, to 86/550, Office of this Paper.

QUALIFIED Assistant, speaking French, required for [illegible] Apply, giving the usual particulars as to age, experience, etc., to Dr. A. Tissières, Pharmacie Anglaise, Vevey, Switzerland.

WHOLESALE.—Wet and Dry Assistant required for South Africa; unmarried; not over 35 years of age; passage paid out; three years' agreement. Apply, by letter only to "L.," 14 Lafone Street, London, S.E.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.]
RETAIL.

Price lists, trade circulars, samples, and printed matter cannot in no case be forwarded.

ASSISTANT; 42; Dispenser, Counter; disengaged; [illegible] references. Dale, 37 Chesham Road, Brighton.

ASSISTANT; 24; disengaged; 6 years' good experience; [illegible] graphy; 35s. Watchorn, Wakerley, Stamford.

ASSISTANT; 25; disengaged March 7; 10 years' sound experience; Dispensing, Counter, and Photographic; temporary or permanency. Smith, 10 Ancill Street, Hammersmith, W.

ASSISTANT (22) desires situation; good references; 5½ years' experience; disengaged. Please state all particulars and salary, Harrison, 25 Mornington Crescent, Harrogate.

ASSISTANT; 33; single; all good experience, London and country, Dispensing, Counter, Window-dressing, etc., [illegible] 35s. (outdoors). Nicholson, 3 Vale Road, Portslade, Brighton.

BRANCH Pharmacy Manager; could introduce Dentistry or Optics; April; unregistered. 272/16, Office of this Paper.

BRISTOL.—Locum, age 38, qualified, disengaged. Hepa[illegible] 91 Dongola Road, Bishopston, Bristol.

CAPABLE, energetic Managing Assistant for Drug Store, Wholesale and Retail; Agricultural, Dispensing, Photo, [illegible] General experience; tasty Window-dresser; good references [illegible] three last places. "Celeritas" (149/65), Office of this Paper.

COMPETENT Assistant, unqualified; disengaged April 1; [illegible] years' first-class experience; salary 45s. weekly. Reply [illegible] 268/25, Office of this Paper.

CONSCIENTIOUS Improver, 19, desires good Pharmacy experience; highly recommended; indoors; small salary [illegible] England preferred. Particulars in full to "Cherion," Church Street, Bushmills.

DENTAL-CHEMIST'S Assistant; own tools; varied best experience; abstainer; gentlemanly; in, near London. "Dentist," [illegible] Connaught Avenue, Frinton-on-Sea.

ENGAGED; Manager, Locum, Assistant; qualified; excellent eferences. 149/36, Office of this Paper.

ENGAGED (except four evenings); first-class Dispensing; xperienced; quick Insurance Dispenser; qualified; good Sales-Extractor. Gibson, 115 Scott-Ellis Gardens, St. John's Wood, W.

PENSER (20); Student, well educated in Pharmacy and ispensing, desires to gain experience; salary 20s. a week ors); London or district preferred. 270/1, Office of this p.

PENSING, Bookkeeping; Monday, Wednesday, Fri., enings. Smith, 2 Little Green, Richmond, Surrey.

TOR'S Dispenser seeks permanent situation; experienced d reliable; references. Simpson, 40 Hamilton Street, Hoole, r.

ERLY (60), active, unqualified; 7 years last berth, 5 years esent: Dispensing, Counter, Branch. "Chemicus," 32 West St. George's, Salop.

NINGS; Dispensing, etc.; reliable. Lambert, 47 Claverton treet, S.W.

NINGS, Mondays, Wednesdays, Saturdays; lady Dispenser; alified. "B.," 7 Carleton Road, Holloway.

T-RATE Counterman, Prescriber, Dispenser (London pre-rred, but not essential); disengaged 14th or 28th; highly ended; 42s. and commission or equivalent. "Jacobus" 0), Office of this Paper.

NCHMAN (25), speaking fair English, desires situation; or out-doors; London, West, or South Coast; already six Dispensing and Counter experience (London); excellent ces; small salary. "F.," 13 Gunter Grove, Chelsea.

TLEMANLY young man, passed Preliminary, West-End ex-rience, and excellent character, desires position as Junior or er; West London preferred. Apply, "Lymph" (269/23), f this Paper.

D all-round, highly educated, gentlemanly Assistant (29, qualified) desires to get into a decent berth soon after 272/15, Office of this Paper.

OR; 20; tall; disengaged March 16; Retail, Dispensing, Photography; outdoors preferred. Cheesbrough, 2 St s Road, Hull.

OR requires position in high-class Dispensing business; ghest references. Knight, 135 Clarendon Road, Southsea.

RPOOL.—Unqualified Assistant disengaged Tuesdays, Wed-sdays, Thursdays; half-days or evenings. 272/1, Office of per.

RPOOL or North.—Manager, qualified, Scotch, married (35), d address, high-class Dispensing and Drug-store experi-ell versed in modern medical requirements, contemplating desires Branch, with scope for Packed Goods; excellent es. 271/9, Office of this Paper.

M, qualified; 34; reliable; good Dispensing experience; rthern or Midlands preferred. "Chemist," 16 Sandy Lane, Liverpool.

M (25), unqualified; first-class experience; competent. tatim," 50 Foxley Road, Brixton.

M, qualified, open for engagements; excellent experience reference. 267/92, Office of this Paper.

M; Wednesday; N. London preferred. "L.," 1 Lynmouth d, Fortis Green, N.

M: outdoors; London preferred; energetic; qualified; tho-ghly experienced, especially Dispensing; Optical know-Ansom, 206 New King's Road, Chelsea, S.W.

ON.—Unqualified; 27; best-class Dispensing experience; ngaged. "Cortex," 32 Cambridge Avenue, Kilburn.

.S. (38) disengaged; London or Suburbs. T. J. Perkins, 67 King's Hall Road, Beckenham.

GER, qualified; 33; married; highest references and ex-rience; with or without view to succession on easy terms; r Midlands. 269/2, Office of this Paper.

GER or Senior; unqualified; 33; Dispenser, Counter, ndow-dresser, Photography; provincial and London experi-worker; highest references; permanency; outdoors. P.," 38 Racecommon Road, Barnsley.

MANAGER, qualified, middle-aged, experienced, desires engagement. "M.," 15 Brouncker Road, Acton, W.

MANAGER, all round; N.H.I.; outdoors; can be free month on engagement; £4 weekly; consider purchase on mutual terms. "Qualified" (270/34), Office of this Paper.

MANAGER or Locum; middle-aged; active; varied experience; town or country; best references; disengaged. "M.P.S." (270/31), Office of this Paper.

MANAGER or Senior; 32; exceptional experience; smart Window-dresser; expert Salesman; references. Leyland, 8 Goldhawk Road, W.

MANCHESTER or District.—Manager, qualified; liberty Monday next; Locum anywhere. W. Walker, 25 Douglas Street, Higher Broughton, Manchester.

OUTDOORS; unqualified; middle-aged; experienced; temporary or permanent. De Saulles, 36 Chudleigh Road, Lewisham, S.E.

PHARMACIST (lady) requires temporary part-time work, or exchange; London. Gracemere, Worthing.

PHARMACIST (36) requires engagement for few hours daily; good-class and Continental experience; Dispensing or Counter. "M.P.S.," 122 Walm Lane, Cricklewood.

QUALIFIED Manager; all-round experience; temperate habits. "R.," 55 Henleaze Road, Bristol.

QUALIFIED; 25; disengaged; good experience; Dispensing, Photography; Partnership entertained. Walker, Westlea, Skipton.

QUALIFIED; 29; thoroughly competent Senior or Manager; West-End and provincial experience. "Vingt-neuf" (269/26), Office of this Paper.

QUALIFIED; aged 58; good experience; five or six hours daily; London or within 60 miles north; outdoors; Retail or otherwise. 267/22, Office of this Paper.

QUALIFIED; Managership (good permanent); middle-aged; married; furniture; first-class experience; excellent references. 271/40, Office of this Paper.

QUALIFIED; elderly; temporary or permanent; disengaged; general routine, including N.H.I. "W.," c/o The British Drug Houses, Ltd., Graham Street, N.

QUALIFIED (Austrian qualification); 27; 9 years' high-class experience; six months London business; Dispensing, Counter; London or country; 32s. weekly; good references; disengaged from March 15. "Chemist," 80 Sterndale Road, West Kensington.

QUALIFIED; Manager; married; exceptional experience in all branches; first-class references; disengaged shortly; town or country. Joynson, 144 Gleneagle Road, Streatham, S.W.

QUALIFIED Manager; 34; reliable; London, S.W., W. "Salol," 123 Bennerley Road, S.W.

QUALIFIED Manager; disengaged; Store and West-End experience. Hunter, 10 Pope's Road, Brixton.

QUALIFIED Manager; London only; exceptional experience; sober; disciplinarian. "Speed" (272/17), Office of this Paper.

QUALIFIED Manager (branch) seeks re-engagement; experienced; thoroughly reliable; well recommended; disengaged. 272/3, Office of this Paper.

QUALIFIED (36); married; Counter, Dispensing, Photography; disengaged. Stewart, 16a Highgate Road, N.W.

QUALIFIED; Manager, Locum, or permanent; quick; Dispenser, Optics, Photography, Ad.-writer. "Ready" (274/40), Office of this Paper.

QUALIFIED Pharmacist, with first-class London and Continental experience, desires situation as Manager; best testimonials; married; would entertain Partnership or Managership with view to succession; can start at once. 274/11, Office of this Paper.

ROUND Manchester.—Assistant seeks situation; time allowed for study. Hipkins, 35 Bloom Street, Stockport.

SCOTCH Assistant, age 21, height 5 ft. 9 in. (unqualified) wishes situation in small English town or village about May 1; Agricultural experience; also 18 months' London (West End) Dispensing; good Counterman and well recommended. Apply Pearson, c/o Wonley, 135 Ladbroke Grove, W.

UNQUALIFIED; Locum or Part-time, 9 to 5; London or Suburbs; good references. "Statim," c/o Armitage, Chemist, Hanwell, Middlesex.

UNQUALIFIED Assistant, 27, seeking permanency; good General experience; would not object to Dispensing for Doctor; willing; disengaged end of March if necessary. Burrows, "Rathwell," Dale Grove, N. Finchley.

UNQUALIFIED; reliable; abstainer; all-round experience; Agricultural; country preferred. C. Henderson, Main Street, Keswick.

UNQUALIFIED Assistant; 27; tall; London; outdoors; good-class experience, Dispensing, Counter, Photography, Window-dressing; good position wanted. "Competent," 3 Burntwood Lane, Tooting, S.W.

UNQUALIFIED; tall; good appearance and address; 28; good General and West-End Store experience; Counterman, Extractor; Manage. "B. A. B.," 25 Broadhurst Gardens, N.W.

UNQUALIFIED Assistant; disengaged shortly; country town; Retail, Dispensing, N.H.I.; Extractor; single. "Aspirin" (272/34), Office of this Paper.

UNQUALIFIED Assistant desires situation; Lancashire preferred; smart Counterman and Dispenser. Apply "Cadum" (272/7), Office of this Paper.

UNQUALIFIED, 24, tall, good experience, desires Part-time position; close to college; excellent references; Disengaged after Easter; Midlands preferred. 270/14, Office of this Paper.

UNQUALIFIED Assistant at liberty Thursdays all day; competent; Counter, Dispensing, or Window-dressing; what offers? "Drug," 2 Iverson Road, Brondesbury, N.W.

UNQUALIFIED; Senior or Manager; smart, competent Salesman; Store experience; long, exceptional references; married; 33; accustomed sole control; permanency. Locke, 62 Fernthorpe Road, Streatham.

UNQUALIFIED Assistant, or manage Dry Store; energetic, thoroughly competent, and reliable; good Salesman and Dispenser; age 40; moderate salary. "Statim," c/o Price, 38 Vallance Road, London, E.

UNQUALIFIED Junior, smart and reliable, seeks situation with Doctors or Hospital; just finishing 4 years' apprenticeship under qualified at Hospital; daily Dispensing for 7 Doctors; disengaged end of this month; can furnish with good testimonials; age 19 years. "B. S." (144/57), Office of this Paper.

UNQUALIFIED Dispenser (26) seeks re-engagement in high-class pharmacy in London; outdoors. Apply Kirby, 18 Formosa Street, Maida Hill.

UNQUALIFIED Assistant; 27; reliable; competent Dispenser; all-round experience; excellent references; country preferred. 271/16, Office of this Paper.

YOUNG lady Dispenser (Hall certificate) desires post, Doctor or Institution (first berth); near Leamington preferred. Miss Holland, 15 Regent Street, Leamington.

WHOLESALE.

Price lists, trade circulars, samples, and printed matter can in no case be forwarded.

AMBITIOUS young man desires post as Representative; Wholesale, Retail, and Travelling experience. 274/7, Office of this Paper.

ASSISTANT; 28; quite capable; Wet or Dry; 13 years' experience; good worker. 270/5, Office of this Paper.

ENERGETIC young man (26) requires position as Traveller; 9 years in trade; would accept indoor post with view to travelling later. 270/3, Office of this Paper.

EXPERIENCED Traveller seeks re-engagement; excellent connection Doctors, Chemists, Dentists, Midland, Eastern Counties. 267/29, Office of this Paper.

GENTLEMANLY Assistant, tall, good appearance, educated, West-End Store experience, desires position as Traveller or situation of trust in Wholesale or Advertising. "B. A. B.," 25 Broadhurst Gardens, N.W.

LADY travelling Scotland and Ireland, experienced and enterprising Saleswoman, wishes to hear of Speciality to sell to Chemists, etc., in remote places on commission; could render valuable assistance to firms placing new lines on market. "Pioneer" (266/21), Office of this Paper.

MY ten years' experience in Manufacturing, Producing, and Selling the highest-class and most successful Toilet and Perfumery lines is at your service in return for a remuneration of £208 per annum. "Calox" (270/109), Office of this Paper.

REPRESENTATIVE, with sound personal connection, D[illegible] and Chemists, Lancashire and West Riding, seeks ad[illegible] Agency on commission basis. 268/19, Office of this Paper.

REPRESENTATIVE, with twelve years' connection in [illegible], requires additional lines; experienced in Pharmaceu[illegible] preparations, Toilet lines, Soaps, Sundries, and Proprietaries. [illegible] cotine" (270/19), Office of this Paper.

SALES Organiser, with 20 years' special experience in creating sales for all kinds of Chemists' goods, requires po[illegible] "Phoenix" (270/190), Office of this Paper.

TRAVELLER; 5 years' sound connection South Coast and [illegible] of England; now disengaged; expenses and commiss[illegible] (269/29), Office of this Paper.

TRAVELLER, just completed successfully term of [illegible] with first-class house, wishes to engage; good Sa[illegible] experienced Interviewer; thoroughly reliable and tru[illegible]. 272/03, Office of this Paper.

TRAVELLER requires additional Agency; part exp[illegible] and commission basis; connection Chemists N.W. Count[illegible] cessful Interviewer; highest references. "Cheshire" [illegible], Office of this Paper.

YOUNG lady wants situation in Counting House; h[illegible] experience; no Typing. "V.," 164 Inderwick [illegible], Hornsey, N.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for **12** words or less; **6d.** for every **10** words beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to the Office, and forwarded on payment of an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

QUALIFIED, West-End and Continental experience, seeks position abroad, Senior or Manager. 268/2, Office of this Paper.

MISCELLANEOUS.

LONDON COUNTY COUNCIL.

ST. GEORGE'S ROW COMMERCIAL INSTITUTE

Ebury Bridge, Pimlico, S.W.

Responsible Master ... ... F. B. HART, B.Sc.

A COURSE of TEN LECTURES

on the

Merchandising of Drugs, Spices and Perfumery

will be given at the above-named Institute on Thursday Evenings at 7.30 p.m., commencing on

THURSDAY, MARCH 12, 1914.

Lecturer ... ... J. H. WIGGINTON, F.C.S.

Fee for the Course, **2/6.**

Full particulars can be obtained, post free, from the Responsible Master of the Institute.

MCADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green. Shares for Sale (free of commission, subject).—70 A[illegible] "B" 6 per cent. Preference, 23*s.* 9*d.* c.d.; 80 Claudius A[illegible] Ordinary, 31*s.* 6*d.*; 100 Alby Carbide Ordinary, 35*s.* [illegible] Day & Martin, 3*s.* 1½*d.*; 250 Mazawattee Ordinary, 3[illegible] Veno Drug, 25*s.* c.d.; 250 Ilford Ordinary, 15*s.* 9*d.*; 30[illegible] Union Ordinary, 7*s.* 1½*d.*; 150 St. Ivel 6 per cent. Preference 16*s.* 4½*d.* x.d.

Wanted (subject).—Lewis & Burrows, Camwal, Idris Debentures, Wright, Layman, G. B. Kent Preference.

List of Shares for *Sale* and *Wanted* sent free on application. Every effort made to effect business for Buyers and Sellers of all Stocks and Shares. Bankers, London County and Westminster.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Oxford Street, E.C.

CHEMISTS' Fittings, Secondhand.—Enough to fit up a dozen shops, comprising Ranges of Shelving, Drawers, Lockers, Counters, Piano-fronted Walloases, Dispensing-screens, Counter-oases, Shop Rounds, etc., at give-away prices. D. Matthews & Sons, The Chemists' Fitters, 14 and 16 Manchester Street, Liverpool.

S' Fittings, Silent Salesman Showcases, Drugfittings, ing-screens, Wall-cases, Perfume-cases, Desks, Glass ers, Counter Drawers, Shop-soiled, Second-hand, at un- es; before you decide get my estimate, you can't do years fitting Pharmacies. George Cook, the Chemists' opfitter. New address: Catherine Street, City Road, oors from Old Street).

h price for all old Cameras, any make, also all old goods, no matter how damaged; any kind you may have long; cash will be sent same day; no waiting; we buy m nothing. S. E. Hackett, 23 July Road, Liverpool, E.

Opportunity.—The complete set of handsome ny Fittings for smart Pharmacy; good as new; to at half their original cost; space wanted. Particulars, e Chemists' Practical Shopfitter, Shop Front Builder, Tablet Works, 163-5 Old Street, London, E.C.

G tasty in design, produced under proper and healthy ons, from modern type, at up-to-date prices; Brochures, dbill, Business Stationery and General Printing; have mples? a postcard (printed heading) will bring them. ght, Chemists' Printer, Rushden. Established 1895.

Complete set of Pharmacy Fittings, secondhand, comprising 10-ft. Mahogany Drug Fixture, 8-ft. Mahogany lass Serving Counter, Nest of Counter Drawers, Dis- en and Counter, Mahogany Wall Showcase, Mahogany lass Perfumery Showcase and Desk; all in excellent PHILIP JOSEPHS & SONS, LTD., 93 Old Street, C.

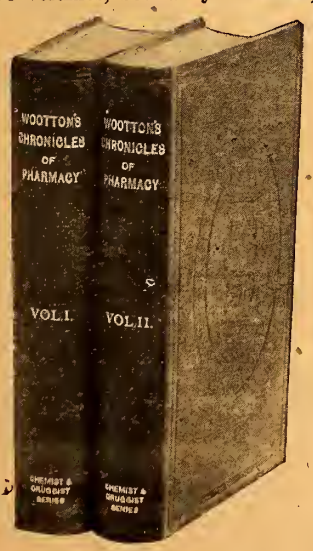
gains in Second-hand Fittings.—12-ft. Range Drug s, Cupboards, Lockers, and Shelving, £8; 8-ft. Counter, dsome 6-ft. Dispensing-screen, 95s.; 12-ft. run d Drug Drawers, gold labelled, £6; 120 Gold-labelled s, 92s.; 5-ft. set Plate-glass Window Shelves, Bars and 5s.; 3-ft. ditto, 30s.; 4-ft. ditto, 45s.; Silent Salesman, TOMLINSON & SONS, Headquarters for Chemists' ond Street, Birmingham.

THE MOST POPULAR DANCE
of the Season for Chemists is the
JUNIOR PHARMACY BALL.
ST BAND, BEST PROGRAMME, and BEST FLOOR e found at the PORTMAN ROOMS on MARCH 11,

7s. 6d. each, including supper and light refreshments evening) may be had from the Hon. Secretary, Mr. kinson 23 Cromwell Place, South Kensington, S.W., y of the Stewards.

Wootton's "Chronicles."

e made an arrangement with Messrs. Macmillan o., Ltd., London, publishers of "The Chronicles acy," by the late A. C. Wootton, which enables r this book in two volumes, bound by ourselves, ibers to THE AND DRUGGIST , carriage paid ited Kingdom, post free to any d. The pub- e of the work ea. The two comprise 770 are well illus- They are pre- sued by Messrs. & Co., bound -coloured cloth. ition is limited, ly advise sub- o order copies as there will be opportunity of s most valuable e reduced price. r the volumes addressed to the rtment of THE AND DRUGGIST, Street, London, d should be accompanied by cheques or ers for the number of volumes required.



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One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

FOR DISPOSAL.

SHOP FITTINGS.

COUNTER-TOP case, 5 ft., as Sanger's fig. 53; tooth-brush case, as Maw's fig. 196/W; what offers? Lester, Chemist, Canterbury.

MAHOGANY desk and perfume case, similar in pattern and same size as Maw's fig. 21/W; excellent condition; price 35s. Torbay Pharmacy, Torquay.

MISCELLANEOUS.

85 shop-rounds, with gold bands; also other bottles, two tincture presses, three pestles and mortars, pill machine, iron pounder, two ointment slabs, glass syringes, etc. Offers to "C.," 37 Tunstall Street, Smithdown Road, Liverpool.

"C. & D. Diary," 1911 and 1912, perfect condition, as new; 13-pint Wedgwood pestle and mortar; small No. 80 and a No. 40 brass sieves, the No. 40 with leather cover, hardly used; all as new. Mundy, 13 Barnston Road, Aintree, Liverpool.

WANTED.

FULL-SIZE water bed, good condition. State lowest price, Pyman, Herne Bay.

WANTED, old stocks of lantern-size plates. Irvin, 9 Borough Road, North Shields.

WANTED, good optical case; cheap; deposit, approval. Cottman, 90 Broomhall Street, Sheffield.

WANTED, a Gardner's mixer suitable for fruit crystals; sound condition. 266/31, Office of this Paper

DR. MACAURA'S Pulsocon, in good condition. State lowest price, Williams, 81 Calverley Road, Tunbridge Wells.

WANTED, 10-ft. run of drawers and wall fixture; also counter, good condition, 10 or 12 ft. Francis, Chemist, Dinas Powis.

GOOD second-hand upright plate-glass case, movable shelves, 30 to 36 in. high, 24 wide, 6 deep. 271/13, Office of this Paper.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

ADDRESSES WANTED.

ADDRESS wanted of A. J. Watson, "Wribbenhall," Kelvin Avenue, Bowes Park, London, N. 267/32, Office of this Paper.

WILL someone oblige with present address of George Nesbit Wynne, M.D., late of Ashton-under-Lyne? John Parkes & Co., Warwick.

THE CHEMISTS' FRIENDLY SOCIETY

Apprentices and Assistants should become members of their own Approved Society, viz. the "C.F.S."
Forms of Application for admission on request. Copies of the Rules, price 6d. post free.
THE MANAGER, C. F. S. (C Dept.),
194 St. Vincent Street, GLASGOW.

TO GET THE BEST RESULT
out of your window you must have an attractive display. My Window Centres are *not* tickets, but the best aid to window dressing and advertising, and bring the best results. They are not toys. Sizes: 30×20, 2/6, larger 5/-. Special centres designed to suit your requirements. Ready Corn Cure, Tooth Powder, Toilet, Neuralgia M., Tonic, Holiday Goods, etc. Special for T. Wine, can be hired. Send for one and particulars of my extended service at once. Only one in a town supplied: refused four last week.
BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD.

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THE SHOWCARDS produced by F. MERTEN & CO.
WHY?—BECAUSE—they are designed to attract attention, and completed in that TRADE-INDUCING STYLE so pleasing to the Chemist. TO PROVE THIS—send the names of TWO PREPS., prices, and about 15 words for each, with P.O. 1/10, and TWO of our SMARTEST CARDS, 15×10 and 12×9½, will be sent CARR. PAID. (*Advertisement line only.*)
72 MARLBOROUGH ROAD, HOLLOWAY, LONDON, N.

CREDITORS' MEETING.

A meeting of creditors of P. R. G. Laing, chemist and druggist, High Street, Forres, was held at Aberdeen on February 27. It was said that the liabilities amounted to 681*l.* and the assets to 372*l.*, including 360*l.* estimated for the stock and fittings, etc. The deficiency was put at 332*l.* It was reported that the takings of the business had been only about 5*l.* a week. It was decided that a trust deed should be granted in favour of Mr. Mitchell, accountant, and that the two largest creditors should act as a committee of inspection. In the meantime the shop is to be kept open, so that, if possible, a purchaser may be obtained.

COLLEGE NOTES.

Bath and West F.C. *v.* Bath Y.M.C.A.—On February 26 the Y.M.C.A. entertained the pharmacy eleven in a friendly game. Both teams were well represented. The Pharmacy pressed from the start, and at half-time the score was 3—0 in their favour. During the second half, however, the Y.M.C.A. rallied well, and scored twice towards the end of the game, the Pharmacy thus running out winners by 3 goals to 2. Ostler, Peake, and Sharpe scored for the College.

Fairchild Scholarship and Prizes.—We have received from Mr. A. E. Holden, Secretary to the Committee of Trustees, Albert Chambers, 64-65 Holborn Viaduct, London, E.C., a copy of the application-form for 1914, which includes the conditions of entry for the guidance of candidates. The competition is open to students of pharmacy in Great Britain and Ireland. The scholarship is of the value of 50*l.*, and the prizes (four) 5*l.* each. All who are preparing for the examination in June should write now to Mr. Holden for a copy of the form.

A Series of Ten Lectures on "The Merchandising of Drugs, Spices, and Perfumery" will be given by Mr. J. H. B. Wigginton, F.C.S., chief chemist of Harrod's, Ltd., at the St. George's Row Commercial Institute, Ebury Bridge, Pimlico, S.W., commencing on Thursday, March 12, at 7.30 p.m. These lectures are designed to be useful to chemists' assistants, who can obtain copies of the syllabus and further particulars, post free, on application to the Responsible Master, St. George's Row, Commercial Institute, Ebury Bridge, Pimlico, S.W.

Inter-Pharmacy Football League.—The "Square" eleven are the winners this season. The League was instituted on Wednesday, February 22, 1899, by four teams representing the "Square," Muter's, Westminster, and Metropolitan Schools of Pharmacy. Shortly after its institution the late Mr. William Watson Will, Ph.C., F.C.S., Principal of the Metropolitan College, presented the League with a silver cup for competition. The "Square" eleven was the first to win this in the collegiate year 1899-1900. In the following year the London College (Mr. Wootton's) won it. Then the "Square" held it for two years, and were followed by the Metropolitan, who won it in 1903-4. The London College again won it in 1904-5, the "Square" a year later; then London College secured it for another two years, and the South of London College (Mr. Lucas's) held the cup after the 1908-9 season. The London College followed with three years, and, according to the terms upon which the cup was presented, the College footballers became its possessors. Last year they again won, and now they give way to the "Square" eleven. We understand that Mrs. Watson Will's offer of a second cup has now been definitely accepted, and she has had it suitably engraved for presentation to the "Square" team at the smoking-concert on Saturday evening of this week.

"The Square Chronicle," which is the title of the official organ of the School of Pharmacy Past Students' Association, is as bright as ever. Mr. E. J. Millard, Ph.C., F.C.S., a past-student and managing director of Messrs. C. J. Hewlett & Son, Ltd., is the special contributor to No. 5. He describes some holidays abroad, and his interesting illustrated article reveals the fact that he is one of the now-growing galaxy of mountaineers who forget their wholesale drug-trade troubles (if any), and all else that is pharmaceutical, in the fine air of the Alps and in strenuous demonstration of their cardiac soundness and unbounded vitality. We learn from a short article in the "Chronicle" that it has been decided that the School of Pharmacy colours are to be blue, red, and gold, these being the colours used in the Pharmaceutical Society's coat-of-arms. The colours are to be worked into ties and hatbands, the design consisting of a broad blue, a narrow red, and a still narrower gold band; and Mr. W. R. Pratt, who has succeeded Mr. H[illegible] shire as lecturer in physics and senior demonstrator at [illegible] School of Pharmacy, will supply these to past and pr[illegible] students who pay him the money for them. It is n[illegible] that the Association has on order a broad band in [illegible] School colours suitable for the President of the Soci[illegible] wear across his bosom at public dinners, like the ribbo[illegible] the Garter, as a rising generation's tribute to place al[illegible] side the presidential badge worn on official occasion[illegible].

COMING EVENTS.

This section of the "C. & D." is reserved for advance notice[illegible] meetings or other events. These should be sent to the Ed[illegible] by Wednesday of the week before the meetings, etc., occu[illegible]

Tuesday, March 10.

Pharmaceutical Society of Great Britain, 17 Bloom[illegible] London, W.C., at 8 p.m. Mr. R. S. Wright, A.M.I. [illegible] "Applications of Electricity to Medical Practice [illegible] IV.).

Eastbourne Pharmacists' Association, Queen's Hotel, at 9 [illegible] Ordinary meeting.

Oldham Pharmaceutical Association, Café Monico, Union S[illegible] at 3 p.m. Mr. W. Gartside on "Points about Insurance [illegible] pensing."

Wednesday, March 11.

Royal Society of Arts, John Street, Adelphi, London, W.C. [illegible] 9 p.m. Professor W. B. Bottomley on "Bacteria Treat[illegible] of Peat and its Application as a Fertiliser."

Junior Pharmacy Ball, Portman Rooms, Baker Street, Lond[illegible] Tickets (7*s.* 6*d.* each, including supper and light refreshme[illegible] from Mr. B. R. Wilkinson, Hon. Secretary, 25 Cromwell Pl[illegible] South Kensington, S.W.

Edinburgh Chemists', Assistants', and Apprentices' Associat[illegible] Visit to City Observatory.

Manchester Pharmaceutical Association, Chemical Clu[illegible] Victo[illegible] Hotel, at 3 p.m. Mr. J. Cleworth on "Seven Years' Experi[illegible] of the Social Side of the British Pharmaceutical Confere[illegible] as seen by the Camera."

Western Pharmacists' Association, Frascati's Restaurant, Ox[illegible] Street, London, W., at 9 p.m. Ordinary meeting. The meet[illegible] announced for this date has been postponed to March 18 [illegible]

Thursday, March 12.

Chemists' Assistants' Association, Bonnington Hotel, S[illegible]tham[illegible] Row, London, W.C., at 9 p.m. Debate on "Is the Pharma[illegible] Better Off in Business for Himself or in the Service of Another?" and "What are the most Profitable Sa[illegible] the Pharmacist?"

Leigh Chemists' Association, Borough Café, at 8.45 p.m. Ordi[illegible] meeting.

South-West London Pharmacists' Association.—The ann[illegible] dinner will be held at the Restaurant Frascati, Oxford Str[illegible] W., on April 29. Tickets (7*s.* 6*d.* each) from Mr. E. A. A[illegible] Hon. Secretary, 71 East Hill, Wandsworth. Ladies are invite[illegible]

Bath Pharmaceutical Association.—The annual dinner will [illegible] held on March 18, the evening of the day on which the Pha[illegible]ceutical Society's district meeting will take place. Tickets [illegible] the dinner (7*s.* 6*d.* each) may be obtained from Mr. R. Hemingw[illegible] Hon. Secretary, Royal United Hospital, Bath.

Liverpool Chemists' Association.—A dinner will be held [illegible] the Exchange Station Hotel on March 18, at which Mr. Edm[illegible] White, President of the Pharmaceutical Society, will be [illegible] guest of the evening. The Lord Mayor of Liverpool has [illegible] promised to attend. Tickets (5*s.* 6*d.* each) can be obtained fr[illegible] Mr. John H. Robinson, Hon. Secretary, Exchange Station Bu[illegible]inge, or from the President (Mr. H. Humphreys Jones), [illegible] W. Wellings, and Mr. Harold Lomax.

A. R. R. Craig, drug-store proprietor, Hove, was publ[illegible] examined in bankruptcy at Brighton on Wednesd[illegible] Liabilities, 430*l.*; assets, 186*l.*

William G. Hendrie (65), chemist's assistant, came [illegible] for trial at the Old Bailey on Thursday on a charge [illegible] libelling the Apothecaries' Society's Clerk. The trial [illegible] adjourned to next sessions, as the defendant pleaded ju[illegible]fication.

Electrolytic Alkali Co., Ltd.—With the sanction of [illegible] High Court, the receiver of this company has accepted [illegible] offer for the works complete. They are situated at Mid[illegible]wich, Cheshire, and have been idle since May last. [illegible] Financial Engineering and Mechanical Co., Ltd., are [illegible] purchasers, and the works will be restarted shortly. [illegible] chairman of the new company will be Mr. Holford J[illegible] Mackinder, M.P. for the Camlachie Division of Glasg[illegible] Mr. James Swinburne, M.I.C.E., F.R.S., will be one of [illegible] directors and consulting engineer. A well-known engin[illegible] and business man has been secured as managing directo[illegible]

Printed for the Proprietors by SPOTTISWOODE & CO., LTD., New-street Square, and Published by the Proprietors at 42 Can[illegible] Street, in the City of London.—*March* 7, 1914. [70]